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YIELD AND COMPOSITION

OF

UTAH'S RANGE SITES



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YIELD AND COMPOSITION OF UTAH'S RANGE SITES

by

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Salt Lake City, Utah

January 1971

Introduction

This publication will be primarily one of range yield and plant composition of Utah's range sites. It will also give yield by soil taxonomic units where these are available and correlated. The data for this document has been taken through the years 1953 to 1969. Technicians of the Soil Conservation Service have collected this yield data primarily to develop range site descriptions as tools in inventory of rangelands in developing ranch plans with ranchers cooperating with soil conservation districts. Data on good or excellent condition range has been used for range interpretations in soil survey reports. Data in various range condition classes for a given range site can be used to show ranchers results of improving range condition by establishing different range practices. It is also used as basis for developing cost return information for various range improvement programs. This information has been used to develop range condition guides for the different range sites. These guides are used to determine range condition in the ranch planning process. This yield data is presented in total annual pounds per acre air dry. The composition is in percent of each species by air dry weight. Those interested can use this data putting interpretations on it to suit their own needs.

Methods and Procedures

During 1953 through 1959 yield data was taken on 9.6 square foot plots by clipping all species on each plot. Green weights were recorded in grams. Samples were air dried for 2 or 3 weeks and green weights were then converted to dry weights by multiplying green weight by percent dry computed from the dry weights of each species. Dry weight in grams was then multiplied by 10 to give pounds per acre air dry.

In 1960 and thereafter yields were taken by the double sampling method. Weights of species were estimated on 10-plot transects on a given soil taxonomit unit. One or more of these plots were then harvested. Correction factors were computed by dividing the actual weight clipped by the estimated weight of each species. Actual green weight was computed by multiplying estimated weights by the correction factors for each species. These green weights were converted to dry weights by multiplying percent dry from dried samples by the corrected green weights. The total dry weights of the ten plots in grams converts directly to pounds per acre.

Yields include all species regardless of height or accessibility to livestock. Yields are based on the total growth for each year. Yields of grasses and forbs includes all above-ground production of leaves, stems, flowers, and fruit. Yield of shrubs and trees includes current growth of leaves, current twigs, flowers and fruit produced in the year the yield was taken. In estimating and harvesting only those plants whose stems originated in each plot were included. Vegetation that had not been grazed since the beginning of the current growing season was estimated and harvested. Determinations were made near or shortly after the end of the growing season of the major species.

Shall Sant Lice

Air dry weights of trees and large shrubs taken from larger plots were added to determine the total yield. These plots were either 1/100 of an acre (4.356 feet x 100 feet) or 1/10 acre (4.356 feet wide x 1000 feet long). Weights were estimated by use of a sample weight unit. After the number of weight units were recorded the weight of the sample unit was taken after it was air dry. The weight was determined by multiplying the number of weight units by the air dry weight of the sample.

Percentage composition was determined on the summation of 10-plots by dividing the air dry weight of each species by the air dry total weight of all species.

Yield data has been summarized on the various soil taxonomic units. Soil taxonomic units were grouped into range sites on the basis of total annual yield, significantly different plant species and/or significant differences in composition of plants.

Range Sites

A range site is a distinctive kind of rangeland that differs from other kinds of rangeland in its potential to produce native plants.

Generally a difference of 25 percent in total yield is used to designate two different range sites. If the plant composition varies enough that different key species for management are selected then two different sites exist.

In getting yield data as a basis for developing range site descriptions a number of methods were used. One of the most important sources wherever they could be found was on relict areas that have been subjected to minimal abnormal disturbance especially excessive grazing. Other good sources of yield data were rangeland which has received proper or light grazing use and exclosures or other areas where no use has occurred for a period of years. After yield data was obtained from the above, some modification or verification of it was made. Study of early historical accounts and botanical literature prove that this was necessary. Ecological, range and soils research dealing with natural plant communities was also used for verification or needed modifications. These site descriptions will be continually modified as more and better yield data are collected and as additional knowledge is acquired concerning plant, soil and climatic correlation.

Yield data taken in good, fair and poor condition is needed to advise the rancher what is being produced in these conditions in comparison to the potential of the site. Good produces 51 to 75% of the plants that were there in the potential, fair produces 26 to 50% and poor from 0 to 25%.

Names of Utah's Range Sites

The first word in the site name indicates the climate except for run-in or water table sites which receive extra moisture for plant growth either as overland run-in or from a beneficial water table within reach of plant roots. These sites are: (1) Alkali bottom - with a water table below 20 inches but within reach of roots but with considerable salt and alkali causing salt tolerant plants such as alkali sacaton and greasewood to be present. (2) Salt meadow - water table above 20 inches with considerable salt and alkali. Dominant plant is saltgrass. (3) Semi-wet meadows - water table below 20 inches but within reach of roots. (4) Semi-wet streambottoms - along streambottoms but with water table below 20 inches. (5) Wet meadows - water table above 20 inches. (6) Wet streambottoms - along streambottoms with water table above 20 inches.

High mountain sites generally have precipitation over 22 inches per year and temperatures associated with the high mountains; mountain climate with precipitation 16 to 22 inches annually; upland climate with 12 to 16 inches precipitation annually; semidesert climate with 8 to 12 inches annual precipitation; desert climate with 4 to 8 inches annual precipitation.

Other considerations in the range site name will include other factors which influence the kind and amount of plants present in the potential. Soil texture such as sand, clay, loam, silty, is often included. Coarse fragments in the root zone profile might be included in the name such as gravelly indicating 35 to 50% or stony indicating over 50% by volume. Lime present to the extent of influencing the kind and amount of vegetation will be shown as "limy" in the site name. Sites where a summer precipitation pattern causes plant differences will be indicated in the name as "summer prec.". If all other factors are the same but the only difference is in climax plant species, the species name may be indicated in the site name such as (pinon-juniper).

As an aid in determining the range site on a given rangeland area the "Key to Utah's Range Sites" can be used.

For detailed information on range sites contact the district conservationist at the local Soil Conservation Service office and ask for the technical range site descriptions and range condition guides found in the unit technical guide. Information concerning the soil taxonomic units grouped into each range site can be found in the Soil Survey Manual found in the local SCS office.

UNITED STATES DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE

KEY TO UTAH'S RANGE SITES

- I. Areas receiving moisture in addition to that falling on the site or having a water table for at least part of the plant growth season.
 - Soils affected by salt, alkali, or both.
 - B. Water table near the surface, within 20 inches most of the growing season, poorly drained soils.

Soils moderately affected by salt and/or alkali. 33 SCD's: Alpine, Beaver, Blacksmith Fork, Centre, Daggett, Davis, Delta, Dixie, E and I, Fremont River, Grand, Grantsville, Juab, Kane, Millard, Nebo, North Cache, Northern Utah, Piute, Price River Watershed, Salt Lake, San Juan, Sanpete, San Rafael, Sevier, South Box Elder, Timpanogos, Twin M, Uintah Basin, Upper Sevier, Vernon, Weber, West Box Elder.

2. Salt Meadows

Water table moderately deep, below 20 inches most of the growing season, imperfectly drained soils.

> Soils mostly medium to fine textured, moderately affected by salt and/or alkali. 30 SCD's: Beaver, Blacksmith Fork, Centre, Daggett, Davis, Delta, Dixie, E and I, Fremont River, Grand, Grantsville, Juab, Kane County, Millard, Nebo, North Cache, Northern Utah, Piute, Price River Watershed, Salt Lake, San Juan, Sanpete, San Rafael, Sevier, South Box Elder, Timpanogos, Uintah Basin, Upper Sevier, Vernon, Weber. 1. Alkali Bottoms

- A. Soils not affected by salt and/or alkali.
 - Water table near the surface, within 20 inches most of the growing season, poorly drained soils.
 - C. Usually bottom lands or gently sloping benches and flood plains with no tree or shrub cover. 37 SCD's: Alpine, Beaver, Blacksmith Fork, Canyonlands, Daggett, Davis, Dixie, E and I, Fremont River, Grand, Green River, Juab, Kamas Valley, Kane County, Morgan, Nebo, North Cache, Northern Utah, Ogden Valley, Piute, Price River Watershed, Rich, Salt Lake, San Juan, Sanpete, San Rafael, Sevier, South Box Elder, Summit, Timpanogos, Twin M, Uintah Basin, Upper Sevier, Vernon, Wasatch, Weber, West Box Elder.
 - 5. Wet Meadows

- C. Usually along or adjacent to stream channels and with considerable composition of shrubs and trees. 25 SCD's: Alpine, Beaver, Canyonlands, Daggett, Davis, Dixie, E and I, Fremont River, Grand, Kamas Valley, Kane, Nebo, Ogden Valley, Piute, Price River Watershed, Salt Lake, San Juan, Sanpete, San Rafael, Sevier, Summit, Uintah Basin, Upper Sevier, Wasatch, Weber.
 6. Wet streambottoms
- B. Water table moderately deep, below 20 inches at least part of the growing season.
 - C. Valley bottoms or gently sloping areas less than 5% slopes. Vegetation with less than 5% shrubs. 34 SCD's: Alpine, Beaver, Blacksmith Fork, Canyonlands, Daggett, Davis, Dixie, E and I, Fremont River, Grand, Juab, Kamas Valley, Kane, Morgan, Nebo, North Cache, Ogden Valley, Piute, Price River Watershed, Rich, Salt Lake, San Juan, Sanpete, San Rafael, Sevier, Summit, Timpanogos, Twin M, Uintah Basin, Upper Sevier, Vernon, Wasatch, Weber, West Box Elder.
 3. Semi-wet meadows
 - C. Usually along streams, undulating. Vegetation with more than 15% shrubs. 30 SCD's: Alpine, Beaver, Blacksmith Fork, Canyonlands, Centre, Davis, E and I, Grand, Juab, Kamas Valley, Kane, Morgan, Nebo, North Cache, Northern Utah, Ogden Valley, Price River Watershed, Rich, Salt Lake, San Juan, Sanpete, San Rafael, South Box Elder, Summit, Timpanogos, Uintah Basin, Upper Sevier, Vernon, Wasatch, West Box Elder. 4. Semi-wet streambottoms
- I. High mountain climatic zone. Areas receiving over 22 inches of precipitation and cool temperatures.
 - A. Shallow soils (less than 20 inches) over bedrock, Lithosolic, Sol Brun Acide, Brunizem, Gray wooded, Lithosol soils.
 - B. Occurs at elevations near 9,000 feet and higher, vegetation sub-alpine. 6 SCD's: Beaver, E and I, Juab, Summit, Timpanogos, Vernon.
 - 11. Sub-alpine slopes
 - B. Elevations 8,000 to 9,500 feet, soils not very stony, vegetation not sub-alpine, soils parent material basalt. Plant community with aspen overstory. 1 SCD: E and I. 18. High mountain shallow loam (Aspen)

- A. Deep soils, mostly over 36 inches.
 - B. Soils with thick Al horizons and with well developed B2 horizons, no A2 horizons. Less than 50% stone throughout the soil profile. No tree overstory present.
 - C. Soil texture loams.
 - D. Areas with considerable amounts of summer precipitation. 5 SCD's: Dixie, Grand, Kane, San Juan, and Uintah Basin (Book Cliffs).

 15. High mountain loam (summer prec.)
 - D. Areas with somewhat lower summer precipitation than other seasons, plant growth predominantly from winter precipitation.
 - E. Plant community with Idaho fescue. 10 SCD's:
 Blacksmith Fork, Canyonlands, Daggett, North
 Cache, Ogden Valley, Piute, Rich, San Rafael,
 Sevier, Uintah Basin (except Book Cliffs).

 14. High mountain loam
 (Idaho fescue)
 - E. Plant community with very little or no Idaho fescue. 18 SCD's: Alpine, Beaver, Centre, E and I, Grantsville, Juab, Kamas Valley, Morgan, Nebo, Ogden Valley, Price River Watershed, Salt Lake, Sanpete, Summit, Timpanogos, Upper Sevier, Vernon, Wasatch.

 13. High mountain loam
 - C. Soil texture clays. 10 SCD's: Blacksmith Fork, E and I, Fremont River, Grand, Kamas Valley, Price River Watershed, Sanpete, San Rafael, Sevier, Upper Sevier.
 - 12. High mountain clay
 - B. Soils with thick Al horizons and with well developed B2 horizons, may have some expression of A2 horizons or none. Less than 50% stone throughout profile. Aspen tree overstory present.
 - C. Summer precipitation as much or more per month as other seasons. 8 SCD's: Canyonlands, Dixie, Fremont River, Grand, Kane, Piute, San Juan, Uintah Basin (Book Cliffs).
 - 17. High mountain loam (Aspen) summer prec.

- C. Summer precipitation somewhat less than other seasons, plant growth mostly from winter precipitation. 27 SCD's: Alpine, Beaver, Blacksmith Fork, Canyonlands, Centre, Daggett, E and I, Fremont River, Grantsville, Juab, Kamas Valley, Nebo, North Cache, Ogden Valley, Piute, Price River Watershed, Rich, Salt Lake, Sanpete, Sevier, Summit, Timpanogos, Uintah Basin, Upper Sevier, Vernon, Wasatch, West Box Elder.
 - 16. High mountain loam (Aspen)
- B. Soils with thick Al horizons and with well developed B2 horizons, over 50% stone throughout profile. Aspen tree overstory present. 19 SCD's: Alpine, Centre, Daggett, Dixie, E and I, Grantsville, Juab, Kamas Valley, Kane, Price River Watershed, Salt Lake, Sanpete, San Rafael, Sevier, Timpanogos, Uintah Basin, Upper Sevier, Vernon, Wasatch.
 - 19. High mountain stony loam (Aspen)
- I. Mountain climatic zone. Precipitation 16 to 22 inches annually, cool temperatures.
 - A. Shallow soil depth, 12 to 20 inches.
 - B. Soil texture, loam
 - C. Soils with more than 50% coarse fragments throughout the profile over bedrock. 8 SCD's: Blacksmith Fork, E and I, Kamas Valley, Millard, Nebo, North Cache, Sevier, Wasatch.
 - 41. Mountain shallow stony loam
 - C. Soils with less than 35% coarse fragments throughout the profile.
 - D. Precipitation during summer months as much or more per month as in other seasons. 4 SCD's: Dixie, Fremont River, Kane, Piute.
 - 40. Mountain shallow loam (summer prec.)
 - D. Precipitation considerably less per month during summer months as in other seasons. Plant growth primarily from winter precipitation.
 - E. Plant community with curlleaf mahogany. 3 SCD's: Beaver, Blacksmith Fork, North Cache.
 - 39. Mountain shallow loam
 (curlleaf mahogany)

- E. Plant community without curlleaf mahogany.
 23 SCD's: Alpine, Beaver, Blacksmith Fork,
 Centre, E and I, Grantsville, Juab, Kamas
 Valley, Morgan, Millard, Nebo, North Cache,
 Northern Utah, Ogden Valley, Rich, Salt
 Lake, Sevier, Summit, Timpanogos, Twin M,
 Vernon, Wasatch, West Box Elder.
 38. Mountain shallow loam
- A. Moderately deep and deep soils, 20 inches to over 36 inches.
 - B. Soils with less than 35% coarse fragments throughout profile.
 - C. Soils texture clay. 13 SCD's: Blacksmith Fork, Juab, Kane, Morgan, Nebo, North Cache, Ogden Valley, Piute, Rich, Sevier, Summit, Upper Sevier, West Box Elder.
 - 31. Mountain clay
 - C. Soils texture loam.
 - D. Plant community with large shrubs or trees.
 - E. Plant community with Ponderosa pine overstory. 5 SCD's: Kane, Canyonlands, Grand, Piute, San Juan.
 - 36. Mountain loam (Ponderosa pine)
 - E. Plant community with maple overstory.
 6 SCD's: Blacksmith Fork, Morgan, North
 Cache, Northern Utah, Ogden Valley, Rich.
 34. Mountain loam (maple)
 - E. Plant community with oakbrush overstory.
 21 SCD's: Alpine, Beaver, Dixie, E and I,
 Grand, Kamas Valley, Kane, Millard, Morgan,
 Nebo, Northern Utah, Ogden Valley, Rich,
 San Juan, Sanpete, Sevier, Summit, Timpanogos,
 Upper Sevier, Wasatch, West Box Elder.
 35. Mountain loam (oakbrush)
 - D. Plant community with few or no large shrubs or trees.
 - E. Precipitation during summer months as much or more per month as in other seasons.
 8 SCD's: Canyonlands, Fremont River, Grand, Kane, Piute, San Juan, Uintah Basin (Book Cliffs), Upper Sevier.

37. Mountain loam (summer prec.)

E. Precipitation considerably less per month during summer months as in other seasons.

Plant growth primarily from winter precipitation. 34 SCD's: Alpine, Beaver, Blacksmith Fork, Canyonlands, Centre, Davis, Dixie, E and I, Fremont River, Grantsville, Juab, Kamas Valley, Kane, Millard, Morgan, Nebo, North Cache, Northern Utah, Ogden Valley, Piute, Price River Watershed, Rich, Salt Lake, Sanpete, San Rafael, Sevier, Summit, Timpanogos, Twin M, Uintah Basin, Upper Sevier, Vernon, Wasatch, West Box Elder.

33. Mountain loam

- B. Soils with 35 to 50% coarse fragments in the profile.
 - C. Plant composition with less than 10% oakbrush. 15 SCD's: Alpine, Beaver, Canyonlands, Centre, Dixie, Fremont River, Grantsville, Juab, Kamas Valley, Kane, Millard, Nebo, Timpanogos, Vernon, Wasatch.
 32. Mountain gravelly loam
 - C. Plant composition more than 25% oakbrush. 15 SCD's: Alpine, Davis, E and I, Grand, Kamas, Morgan, Nebo, Ogden Valley, Salt Lake, San Juan, Sevier, Summit, Timpanogos, Wasatch, Weber.

45. Mountain gravelly loam (oakbrush)

- B. Soils with more than 50% coarse fragments in profile.
 - C. Soil texture clay. 6 SCD's: Blacksmith Fork, Morgan, North Cache, Ogden Valley, Rich, West Box Elder. 42. Mountain stony clay
 - C. Soil texture loam.
 - D. Precipitation during summer month as much or more per month as in other seasons. 3 SCD's: Grand, Kane, San Juan.

44. Mountain stony loam (summer prec.)

- D. Precipitation considerably less per month during summer months as in other seasons. Plant growth primarily from winter precipitation. 32 SCD's: Alpine, Beaver, Blacksmith Fork, Centre, Daggett, Davis, E and I, Fremont River, Grantsville, Juab, Kamas Valley, Millard, Morgan, Nebo, North Cache, Northern Utah, Ogden Valley, Price River Watershed, Rich, Salt Lake, Sanpete, San Rafael, Sevier, South Box Elder, Summit, Timpanogos, Twin M, Uintah Basin, Upper Sevier, Vernon, Wasatch, West Box Elder.
 - 43. Mountain stony loam

- I. Upland climatic zone. Areas receiving 12 to 16 inches precipitation (occasionally as high as 18 inches) with moderate temperatures.
 - A. Sites with ponderosa pine, juniper and pinon. Soils deep but with coarse fragments to the extent of more than 35% of the total root zone soil profile. Precipitation during each month of summer as much or more than other months. 5 SCD's: Canyonlands, Fremont River, Kane County, Uintah Basin, Upper Sevier.

81. Upland stony loam (Pinon, Juniper, Ponderosa pine) summer prec.

- A. Sites with juniper and pinon pine as overstory.
 - B. Precipitation during summer months as much or more per month than other months. Warm season plants such as galleta present in the potential.
 - C. Soils shallow, less than 20 inches deep.
 - D. Soil parent material shale. 4 SCD's: Canyonlands, Grand, Kane County, San Juan.
 - 75. Upland shallow shale (Pinon Juniper) summer prec.
 - D. Soil parent material not shale, soil profile with enough coarse fragments to affect moisture holding capacity usually with stone covered surface.

 17 SCD's: Beaver, Canyonlands, Daggett, Dixie, E and I, Fremont River, Grand, Millard, Piute, Price River Watershed, San Juan, Sanpete, San Rafael, Sevier, Twin M, Uintah Basin, Upper Sevier.
 - 78. Upland stony hills (Juniper) summer prec.
 - C. Soils moderately deep and deep, over 20 inches.
 - D. Soil parent material basic igneous (malpais).
 1 SCD: Kane County.
 - 64. Upland malpais (Juniper Pinon) summer prec.
 - D. Soil parent material other than basic igneous.
 - E. Soils fine textured (clay). 3 SCD's: Grand, Kane County, San Juan.
 - 52. Upland clay (Pinon Juniper) summer prec.

- E. Soils medium textured (loams).
 - F. Soils relatively lime free or not concentrated enough to affect kind and amount of plants. 4 SCD's: Dixie, Grand, Kane County, San Juan.
 - 61. Upland loam (Juniper Pinon) summer prec.
 - F. Soils with concentration of lime enough to affect kinds and amounts of plants. 2 SCD's: Dixie, Kane County.

57. Upland limy loam (Pinon Juniper) summer prec.

- B. Precipitation during summer months less per month than other months. Warm season plants such as galleta not present in potential.
 - C. Soils shallow less than 20 inches deep.
 - D. Soil depth limiting factor hardpan. 15 SCD's: Beaver, Canyonlands, Centre, Dixie, E and I, Fremont River, Grantsville, Juab, Kane County, Millard, Sanpete, Sevier, Twin M, Upper Sevier, Vernon.
 - 71. Upland shallow hardpan (Juniper Pinon)
 - D. Soil depth limiting factor shale. 9 SCD's: Canyonlands, E and I, Juab, Kane County, Nebo, Sanpete, Sevier, Summit, Upper Sevier. 74. Upland shallow shale (Pinon Juniper)
 - D. Soil depth limiting factor not hardpan nor shale, soil profile with coarse fragments greater than 50%. 9 SCD's: Centre, Grantsville, Juab, Morgan, Nebo, Northern Utah, Rich, Vernon, West Box Elder. 77. Upland stony hills (Juniper Pinon)
 - C. Soils moderately deep or deep, over 20 inches.
 - D. Soil profile with more than 35% coarse fragments. 12 SCD's: Beaver, E and I, Juab, Millard, Northern Utah, Piute, Rich, Sanpete, Sevier, Twin M, Vernon, West Box Elder.

80. Upland stony loam (Juniper Pinon)

D. Soil profile with less than 35% coarse fragments.

- E. Soil texture sand or sandy. 7 SCD's:
 Canyonlands, Dixie, E and I, Fremont River,
 Kane County, Nebo, Vernon.
 - 67. Upland sand (Pinon Juniper)
 - F. Lime not concentrated enough to affect kind and amount of vegetation. 14 SCD's:
 Beaver, Daggett, E and I, Juab, Millard,
 Northern Utah, Price River Watershed,
 Sanpete, San Rafael, Sevier, Twin M,
 Uintah Basin, Vernon, West Box Elder.
 60. Upland loam (Juniper Pinon)
 - F. Lime concentrated enough to affect kind and amount of vegetation. 8 SCD's:
 Beaver, Centre, Dixie, E and I, Grantsville, Millard, Twin M, Vernon.
 - 56. Upland limy loam (Juniper Pinon)
- A. Sites without tree overstory.
 - B. Precipitation during summer months as much or more per month than in other seasons. Warm season plants such as galleta are present.
 - C. Soils shallow, less than 20 inches deep.
 - D. Depth limiting factor is a caleche hardpan. 11 SCD's: Beaver, Canyonlands, Dixie, E and I, Fremont River, Kane, Millard, Nebo, Sanpete, Twin M, Upper Sevier.
 - 70. Upland shallow hardpan (summer prec.)
 - D. Depth limiting factor is bedrock. 3 SCD's: Canyonlands, Dixie, Kane.
 - 73. Upland shallow loam (summer prec.)
 - C. Soils deep to moderately deep, more than 20 inches.
 - D. Lime content high enough to cause a significant difference in kind and amount of vegetation.2 SCD's: Dixie and Kane County.

58. Upland limy loam (summer prec.)

D. Lime content not high enough to cause a significant difference in kind and amount of vegetation.

- E. Coarse fragments greater than 50% throughout the root zone profile. 7 SCD's: Canyonlands, E and I, Grand, Kane, San Juan, Uintah Basin, Upper Sevier.
 - 82. Upland stony loam (summer prec.)
- E. Coarse fragments less than 35% throughout the root zone profile.
 - F. Soil texture clay or clay loam. 5 SCD's: Fremont River, Grand, Kane, Piute, Upper Sevier.
 - 53. Upland clay (summer prec.)
 - F. Soil red sandy loam. 2 SCD's: Dixie, Kane.
 - 65. Upland red sandy loam (summer prec.)
 - F. Soil texture sand, loamy sand, and sandy
 loam. 3 SCD's: Canyonlands, Dixie, Kane.
 68. Upland sand (summer prec.)
 - F. Soil texture predominantly loam varying from sandy loam to clay loam.
 - G. Extreme southern part of state in Big Plains Area. 1 SCD: Dixie. 62. Upland loam (southern)
 - G. Southern part of state except Dixie's Big Plains Area. 8 SCD's: Canyonlands, Dixie, Fremont River, Grand, Kane, Piute, San Juan, Upper Sevier. 63. Upland loam (summer prec.)
- B. Precipitation during summer months less per month than in other seasons. No warm season plants present in the potential.
 - C. Soils shallow, less than 20 inches deep. 20 SCD's: Beaver, Blacksmith Fork, Centre, Daggett, E and I, Grantsville, Juab, Millard, Nebo, North Cache, Northern Utah, Price River Watershed, Rich, Sanpete, San Rafael, Twin M, Uintah Basin, Vernon, Wasatch, West Box Elder.
 - 72. Upland shallow loam
 - C. Soils deep or moderately deep, over 20 inches.

- D. Coarse fragments greater than 50% in the root zone profile.
 - E. Soil texture mostly loam varying from sandy loam to clay loam. 26 SCD's: Alpine, Beaver, Centre, Daggett, Davis, Fremont River, Grantsville, Juab, Kamas Valley, Millard, Nebo, Northern Utah, Piute, Price River Watershed, Rich, Salt Lake, Sanpete, San Rafael, Sevier, Summit, Timpanogos, Twin M, Vernon, Wasatch, Weber.

79. Upland stony loam

E. Soil texture clay. 2 SCD's: Sevier, Uintah Basin.

76. Upland stony clay

D. Coarse fragments, 35 to 50% in the root zone profile. 20 SCD's: Alpine, Beaver, Centre, Daggett, Davis, Dixie, E and I, Grantsville, Juab, Kamas Valley, Millard, Nebo, Northern Utah, Ogden Valley, Sanpete, Summit, Timpanogos, Upper Sevier, Vernon, Weber.

54. Upland gravelly loam

- D. Coarse fragments less than 35% in the root zone profile.
 - E. Lime content high enough to affect a significant difference in kind and amount of potential vegetation. 9 SCD's: Beaver, Centre, E and I, Fremont River, Grantsville, Juab, Millard, Sanpete, Twin M.
 - 55. Upland limy loam
 - E. Lime content not high enough to affect a significant difference in kind and amount of potential vegetation.
 - F. Parent material shale. 3 SCD's: Juab, Nebo, Summit.
 - 69. Upland shale
 - F. Parent material other than shale or with other rocks mixed with shale.
 - G. Soil texture clay. 13 SCD's: Beaver, Centre, Grantsville, E and I, Juab, Morgan, Nebo, Sanpete, San Rafael, Sevier, Summit, Timpanogos, Vernon. 51. Upland clay

- G. Soil texture loam. 31 SCD's:
 Alpine, Beaver, Blacksmith Fork,
 Centre, Daggett, Davis, E and I,
 Grantsville, Juab, Kamas Valley,
 Millard, Morgan, Nebo, North Cache,
 Northern Utah, Ogden Valley, Price
 River Watershed, Rich, Salt Lake,
 Sanpete, San Rafael, Sevier, South
 Box Elder, Summit, Timpanogos, Twin
 M, Uintah Basin, Vernon, Wasatch,
 Weber, West Box Elder.
 - 59. Upland loam
- G. Soil texture sand. 6 SCD's: Alpine, Davis, E and I, Nebo, Vernon, Weber. 66. Upland sand
- I. Semidesert climatic zone, 8 to 12 inches precipitation, moderate to warm temperatures.
 - A. Sites with juniper or juniper and pinon pine as the potential overstory.
 - B. Soil shallow less than 20 inches deep. 6 SCD's: Grand, Price River Watershed, San Juan, San Rafael, Sevier, Uintah Basin.
 - 109. Semidesert shallow loam (Pinon Juniper)
 - B. Soil deep or moderately deep, over 20 inches.
 - C. Coarse fragments greater than 35% in the root zone profile.
 - D. Precipitation in summer months as much or more per month than in other seasons. Warm season plants such as galleta are present. 10 SCD's: Canyonlands, Fremont River, Grand, Green River, Kane, Price River Watershed, San Juan, San Rafael, Uintah Basin, Upper Sevier.

113. Semidesert stony loam (Juniper Pinon) summer prec.

D. Precipitation in summer months less per month than in other seasons. Warm season plants not present in potential. 5 SCD's: Juab, Millard, Northern Utah, Vernon, West Box Elder.

112. Semidesert stony loam (Juniper Pinon)

- C. Coarse fragments less than 35% in the root zone profile.
 - D. Lime present to the extent of significantly influencing the kind and amount of potential vegetation. 1 SCD: Twin M.

97. Semidesert limy loam (Juniper Pinon)

- D. Lime not enough to influence kind and amount of potential vegetation.
 - E. Soil texture sand. 3 SCD's: Centre, Grantsville, Vernon. 103. Semidesert sand (Juniper)
 - E. Soil texture loam.
 - F. Precipitation in summer months as much or more per month than in other seasons. Warm season plants such as galleta are present. 1 SCD: Fremont River.

 100. Semidesert loam
 (Juniper Pinon)
 summer prec.
 - F. Precipitation in summer months less per month than in other seasons. No warm season plants in the potential. 2 SCD's: Northern Utah, West Box Elder.

 99. Semidesert loam (Juniper)
- A. Sites without juniper or juniper and pinon pine as the potential overstory.
 - B. Precipitation in summer months as much or more per month than in other seasons. Warm season plants such as galleta are present.
 - C. Coarse fragments 35 to 50% in the root zone profile.

 12 SCD's: Beaver, Canyonlands, Dixie, E and I,
 Kane, Millard, Piute, Price River Watershed, San
 Rafael, Twin M, Uintah Basin, Upper Sevier.

 95. Semidesert gravelly loam
 (summer prec.)
 - C. Coarse fragments less than 35% in the root zone profile.
 - D. Soil texture clay. 2 SCD's: Canyonlands, Kane.
 93. Semidesert clay
 (summer prec.)

- D. Soil texture loam.
 - E. Coarse fragments less than 50% in soil profile soils deep. 15 SCD's: Beaver, Canyonlands,
 Dixie, E and I, Fremont River, Grand, Green
 River, Kane, Millard, Piute, Price River Watershed, San Juan, San Rafael, Uintah Basin, Upper
 Sevier.
 - 101. Semidesert loam (summer prec.)
 - E. Coarse fragments over 50% in the root zone profile, soils shallow about 20" deep or less. 6 SCD's: Alpine, Centre, Delta, Grantsville, Juab, Vernon.
 - 114. Semidesert stony hills (summer prec.)
- D. Soil texture sand. 10 SCD's: Canyonlands, Dixie, Fremont River, Grand, Green River, Kane, Price River Watershed, San Juan, San Rafael, Uintah Basin.
 - 104. Semidesert sand (summer prec.)
- B. Precipitation in summer months less per month than in other seasons, no warm season plants in the potential.
 - C. Soil shallow, less than 20 inches deep.
 - D. Depth limiting factor indurated hardpan. 3 SCD's: Nebo, Sanpete, West Box Elder. 105. Semidesert shallow hardpan
 - D. Depth limiting factor bedrock of various kinds sandstone, limestone, etc. but not indurated hardpan.
 - E. Precipitation 8 to 10 inches annually. 4 SCD's: Price River Watershed, San Rafael, Sanpete, Uintah Basin.
 - 107. Semidesert shallow loam 8-10" pz
 - E. Precipitation 10 to 12 inches annually.
 7 SCD's: Beaver, Canyonlands, Fremont River,
 Kane, Price River Watershed, Sanpete, Uintah
 Basin.
 - 108. Semidesert shallow loam 10-12" pz

- C. Soil deep or moderately deep, over 20 inches.
 - D. Coarse fragments over 50% in the root zone profile. 15 SCD's: Centre, Dixie, E and I, Grand, Grantsville, Juab, Nebo, Piute, Price River Watershed, San Juan, Sanpete, San Rafael, Sevier, Uintah Basin, Vernon.

111. Semidesert stony loam

D. Coarse fragments 35 to 50% in the root zone profile. 10 SCD's: Centre, Grantsville, Juab, Nebo, Northern Utah, Rich, Sanpete, Sevier, Vernon, West Box Elder.

94. Semidesert gravelly loam

- D. Coarse fragments less than 35% in the root zone profile.
 - E. Soil with alkali (sodium) concentration strong enough to affect kind and amount of vegetation. Soil usually with a strongly developed solonetz horizon. 26 SCD's: Alpine, Beaver, Canyonlands, Centre, Delta, Dixie, E and I, Grand, Grantsville, Green River, Juab, Kane, Millard, Nebo, Northern Utah, Piute, Price River Watershed, Salt Lake, San Juan, Sanpete, San Rafael, Sevier, Twin M, Uintah Basin, Vernon, West Box Elder. 91. Semidesert alkali flats
 - E. Soil not affected with salt and alkali strong enough to affect kind and amount of vegetation.
 - F. Lime concentrated enough to affect kind and amount of vegetation produced. 19 SCD's: Beaver, Canyonlands, Centre, Daggett, Dixie, E and I, Fremont River, Grand, Grantsville, Juab, Millard, Price River Watershed, San Juan, Sanpete, San Rafael, Twin M, Uintah Basin, Upper Sevier, Vernon.

96. Semidesert limy loam

- F. Lime not concentrated enough to significantly affect kind and amount of vegetation produced.
 - G. Soil texture clay. 7 SCD's: E and I, Juab, Millard, Nebo, Rich, Vernon, West Box Elder.

92. Semidesert clay

- G. Soil texture silt loam. 16 SCD's:
 Beaver, Centre, Dixie, E and I,
 Grantsville, Juab, Millard, Nebo,
 Northern Utah, Price River Watershed,
 Sanpete, San Rafael, Twin M, Uintah
 Basin, Vernon, West Box Elder.
 110. Semidesert silt loam
- G. Soil texture loam. 11 SCD's:
 Alpine, Centre, Grantsville, Juab,
 Nebo, Northern Utah, Rich, Sanpete,
 Sevier, Vernon, West Box Elder.
 98. Semidesert loam
- G. Soil texture sand. 10 SCD's: Alpine, Beaver, Centre, Delta, Juab, Millard, Nebo, Northern Utah, Vernon, West Box Elder.

102. Semidesert sand

- I. Desert climatic zone, 4 to 8 inches precipitation, warm to hot temperatures.
 - A. Shallow soils, less than 20 inches, with shale parent material. 8 SCD's: Canyonlands, Grand, Green River, Kane, Price River Watershed, San Rafael, Uintah Basin, Upper Sevier.

 128. Desert shallow shale
 - A. Soils deep or moderately deep over 20 inches
 - B. Topography bottomlands with occasional run-in of moisture. 6 SCD's: Beaver, Delta, E and I, Millard, Twin M, West Box Elder.

121. Desert bottoms

- B. Topography mountainous. 1 SCD: West Box Elder. 126. Desert mountain
- B. Topography other than bottomlands with run-in or mountainous areas.
 - C. Coarse fragments 35 to 50% in the root zone profile. 4 SCD's: Delta, E and I, Millard, Twin M. 123. Desert gravelly loam
 - C. Coarse fragments less than 35% in the root zone profile.
 - D. Parent material is shale. 4 SCD's: Grand, Price River Watershed, San Rafael, Uintah Basin. 125. Desert loamy shale
 - D. Parent material not shale, includes alluvial soils.

- E. Soil textures silt loam, silty clay loam, and silty clay, somewhat dispersed.
 - F. Dominantly winterfat with 25% or more shadscale. 9 SCD's: Beaver, Centre, Delta, E and I, Grantsville, Millard, Twin M, Vernon, West Box Elder.

 122. Desert flats
 - F. Dominant plant is winterfat with 5% or less of shadscale. 1 SCD: Delta.

 131. Desert silt flats
 - F. Dominant plant is greasewood. 10 SCD's:
 Delta, Grand, Grantsville, Juab, Green
 River, Price River Watershed, San Juan,
 San Rafael, Uintah Basin, Vernon.

 133 Desert alkali flats
 - F. Dominant plant is Nuttall's saltbush.
 1 SCD: Delta.
 132. Desert salt flats
- E. Soil texture loam.
 - F. Not enough salt and alkali for such plants as alkali sacaton, saltgrass, inkweed, and gray molly. 14 SCD's:
 Centre, Delta, E and I, Grand, Grants-ville, Green River, Juab, Price River Watershed, San Juan, San Rafael, Twin M, Uintah Basin, Vernon, West Box Elder.
 124. Desert loam
 - F. Enough salt and alkali in the soil that such plants as alkali sacaton, saltgrass, inkweed and gray molly are present.

 3 SCD's: Delta, Juab, Vernon.

 130. Desert alkali bench
- E. Soil texture sand.
 - F. Not enough salt and alkali for alkali sacaton and greasewood to be present.7 SCD's: Grand Green River, Price River Watershed, San Juan, San Rafael, Twin M, Uintah Basin.

127. Desert sand

F. Enough salt and alkali occur so that alkali sacaton and greasewood are present. 1 SCD: Delta.

129. Desert alkali sand

Tables of Range Yield and Composition

Yield and plant composition information is shown for each range site in the following tables. It is shown separately for each range condition. It is summarized as a total for all soils in each condition class and for each soil taxonomic unit in each range condition. The figures in the "Total Annual Yield" column are pounds per acre air dry. The two columns in "Favorable Years" include the high yield found on a transect of at least 5 plots and the average yield for all favorable years. The two columns in "Unfavorable Years" show the average yield of all data taken in unfavorable years and the low yield found on a transect of 5 or more plots. Where a column is blank no data has been taken to date. The line "Maximum Each Species" gives the maximum percent composition found for each species on any transect of 5 or more plots for all the data taken in each condition class. This is an aid to setting up range condition guides (from data in the highest range condition found) and in determining whether a certain plant is decreaser, increaser or invader (by comparing the maximums in each condition class).

Plant species are listed by common names with grasses and grass-like plants on the left, forbs in the center and shrubs and trees on the right. For scientific names see the Plant List in the back of this document. The figures in the columns are percent composition by air dry weight. Each line should total 100 percent except for "Maximum Each Species". For those which total less than 100 percent the "traces" of all other plants will bring the total to 100. Occasionally a line totals over 100 percent. This occurs due to rounding out the figures to even percentages to avoid use of fractions or decimals.

The second of th

RANGE YIELD AND COMPOSITION ALKALI BOTTOMS

nt)	sq	poo	Creasew	1	0
(Percent)	Shrubs	s Saltbush	Muttall	ı	34
1	S	Favorable Unfavorable of Years Years Plots of decorations of the contract of t	Ілкмеед	ı	∞
Composition	Forbs	pəə	Ътскјем	I	33
	ses	Sacaton	Alkali	06	1
Species	Grasses	SS	Saltgra	10	16
03		Number of Plots			10
		able	Low	1,000	ı
	al Yield	Unfavora	Average	1,000	1
	Total Annual Yield	rable	Average	ſ	1,473
	T.	Favor	High	1	1,473
		Soil Taxonomic Unit			
		Range		Excellent	Poog

RANGE YIELD AND COMPOSITION

SALT MEADOW

	Shrubs	poor	Greasew	ĺ	ı	ı	1	1	Н	7		2
	01	arigold	Marsh M	1	ŀ	ı	1	ı	2	11	ı	ı
(Percent)			Inkweed	ı	ı	ı	1	1	4	20	I	1
erce		Saltweed	LsunnA	1	ı	ı	1	ı	n	16	ı	∞
(Pe	S		Огрега	-	5	ı	H	5	ı	1	ı	1
ion	Forb		Aster	H	2	ı	⊣	2	ı	ı	ı	1
Composition	Ei,		Daisy	2	16	ı	n	16	1	I	ı	ı
odu		er	Owlclov	9	22	1	7	22	m	16	1	1
CoJ		рәә	Picklew	19	38	ı	23	38	1	I	1	1
ies		sss	Arrowgr	2	9	1	2	9	I	ı	1	1
Species		rass	Tickleg	Н	6	ı	2	0	1	1	ŀ	1
S	ses	Sacaton	Alkali	52	93	59	51	93	00	37	1	H
	Grasses	ysny	Baltic	Н	4	4	Н	4	Н	7	l	1
	9	SE	Saltgra	14	37	37	10	19	77	100	100	89
	,	Number of Plots		70	1	10	09	l	50	ı	20	20
		able s	Low	789	1	ı	789	1	1,446	ı	1,580	1,905
	al Yield	Unfavorable	Average	996	ı	ı	996	ı	1,648	ı	1,580	2,132
	Total Annual	Favorable Years	Average	1,310	ı	1,410	1,276	I	3,006	ı	2,773	3,590
		Favoi	High	1,410	1	1,410	1,382	1	4,232	1	2,773	4,232
		Soil Taxonomic Unit		All soils Average	Maximum each species	Poganeab sicl Average	Saltair sil Average	Maximum each species	All soils Average	Maximum each species	Poganeab sicl	Poganeab cl
		Range		рооб					Fair			

RANGE YIELD AND COMPOSITION SEMIWET MEADOW

	Shrubs	зверклар	Silver	1	1	1	1	ı	16	55	53	ŧ
	0,1	. роск	Mulesear	1	1	1	ı	2	r-I	H	ı	
			Отрега	1	1	1	ı	2	7	~	ı	2
			Aster	H	2	1	7	1	2	14	7	1
			rnbrue		Н	1	1	1	ı	1	1	ı
		Ţ	Geranium	m	4	1.	1	2	П	9	ı	2
	S		Violet	7	<u></u>	1	1	ı	1	ı	ı	- 1
	Forbs	, B.	Stellari	Н	2	1	1	ı	1	- 1	1	1
(Percent)	124		sisunnA	Н	2	1	1	ı	ı	I	1	- 1
erc			Tarweed	4	5	ı	ı	ı	ı	1	ı	ı
			Peavine	19	26	ı	I	ı	ı	1	1	1
Composition			Senecio	H	10	10	I	ı	1	ı	I	Ť
sit		Coneflower	Мезтегп	H	00	00	I	1	ı	1	ı	1
mpo			Yarrow	H	00	00	ı	1	H	Н	1	H
		oxtail	Meadow F	1	1	ı	ı	4	П	4	1	7
Species		atrgrass	Tufted H	1	1	1	1	11	m	12	1	4
bec			Тітосһу	1	1	ŀ	1	13	2	00	I	m
03		.tve Bluegr.	Tall Nat	I	1	ŀ	1	2	2	9	1	3
	10		Foxtail	H	5	ı	72	ı	1	ı	ı	1
	ses	I.	Horsetai	2	7	1	7	ı	1	ı	ı	1
-	Grasse		Redtop	11	47	1	47	1	1	ı	- 1	1
		- Sedge	Broadlea	6	38	1	38	63	57	89	ı	83
		гоше	Зтоотр	6	12	1	I	1	1	1	1	1
1		Втоше	Mountain	16	22	I	1	1	H		H	1
		n Needlegr.	Letterma	⊢	20	20	1	1	12	89	36	1
		Wheatgrass	Slender	18	53	53	1	T	H	Н	⊱	1
		Number of Plots		41	ı	Н	10	30	58	ı	80	40
		able	Low	067	I	490	ı	1	1,470	ı	1,470	1
	Total Annual Yield	Unfavorable	Average	1,649	ı	760	1	ı	1,734	1	1,734	1
	[otal Ann	Favorable	Average	4,164	ı	ı	4,164	3,819	3,995	ı	ı	3,995
		Favo	High	4,164	ı	1	4,164	4,531	4,324	1	1	4,324
		Soil Taxonomic Unit		All soils Average	Maximum each species	Wet spots (Wasatch)	Mixed alluvial land (North Cache)	Ant Flat loam (Irr.)	All soils Average	Maximum each species	Wet spots (Wasatch)	Ant Flat loam (Irr.)
		Range		poog				Fair	Poor			

RANGE YIELD AND COMPOSITION

SEMIWET STREAMBOTTOMS

				,	
			Willow	7	1
	p.s		rabla	Н	1
	Shrubs		Dogwood	Н	I
	S	кіл	Срокесре	Н	1
		prush	Big Sage	H	16
			Verbena	ı	Н
		stle	idT LLua	l .	Н
			Geranium	ı	
nt)			sisunnA	ı	-
Species Composition (Percent)		p:	Sticksee	,1	Н
(Pe	S	histle	Canada t	H	1
no	Forbs	the-Valley	Lily-of-	H	ı
iti		P	Coldenro	4	1
sodu			Bedstraw	Н	H
Соп		u	Dandelio	Н	H
es			Yarrow	2	H
eci		្បិនពេក	Oyster P		П
SF		Ţ	Horsetai	1	∞
		SSI	Cheatgra	I I	2
		wheatgrass	Bearded	H	
		дгуе	Liw sula	H	1
	Grasses	n Needlegr.	Геттетт	H	ı
	ras	ysn	Baltic R	7	2
		- Sedge	Broadlea	H	15
		Needlegr.	sidmuloo	Н	ı
		Bluegrass	Кептиску	78	48
		Number of Plots		10	10
		able	Low	1,754	I
	ual Yield	Unfavorable	Average	1,754	I
	Total Annual Yield	Favorable	Average Average	1	2,256
		Favo	High	1	2,256
		Soil Taxonomic Unit	`.	Mixed alluvial land (Wasatch)	Mixed alluvial land 2,256 (Wasatch)
		Range		poog	Fair

RANGE YIELD AND COMPOSITION WET MEADOW

			Tarweed	1	ı	1	1	ŧ	ł	ī	1	1	ŧ	ı	1	6	1	1
			Огрега	1	ı	ı	- I	- 1	1	1	1	1	I	5	10	ı	1	10
	S		Mint	I	F	ŀ	I	- 1	ı	ı	1	ı	F	1	m	ı	m	1
	Forbs		Огрега	2	00	00	[1	-	2	2	Н	-	ı	ı	1	2	1
ent	124	tch Clover	White Du	3	22	ı	H	H	ŀ	1	1	ı	I	H	6	I	ı	ı
(Percent)			Aster	Н	3	n	1	1	ı	ı	1	ŀ	ı	ı	ı	1	1	ı
		u	Dandelic		4	ı	1	-	1	I	ı	ı	- 1	2	40	1	1	1
Composition		gcgcon	Alkali S	1	- 1	ı	1	ı	ŀ	П	9	2	1	1	1	ı	ı	1
sit		agba2 la:	£	1	ı	1	I	ı	1	6	14	4	14	ı	I	ı	ı	, I
ompo		lairgrass	Tufted H	10	31	31	1	1	24	7	10	0	5	1	ı	1	l l	1
		tve Bluegr.	Tall Nat	Н	4	- 1	2	1	ı	I	1	- 1	ı	ı	ı	1	I	ı
ies	ses	oxtail	Meadow F	٦	00	2	I	ı	5	2	4	1	4	1	1	3	1	ı
Species	Gras		Baltic F	13	09	19	16	16	27	36	45	40	38	40	80	ı	H	88
03		Bluegrass	Кептиску	2	18	9	1	18	ı	ı	ı	ı	1	3	50	3	H	1
			Timothy	⊢	М	ı	ı	ı	H	1	1	ı	I	I	1	1	1	t
		egbes i	Broadlea	35	99	30	49	45	43	42	53	48	35	43	92	12	92	ı
			Redtop	31	67	1	32	20	I	ı	1	1	ı	~	72	72	Ī	1
	1	Number of' Plots		79	1	10	20	Н	20	20	1	10	10	23	1		10	10
			Low	3,608	ı	4,121	4,710	ı	1	1	ı	ı	ı	1,930	t	2,360	ı	ı
	al Yield	Unfavorable Years	Average	4,260	1	4,121	4,710	ı	ı	ı	ı	ı	ı	2,197	ı	2,360	ı	ı
	Total Annual Yield	Favorable	Average	6,571	1	i	6,242	7,160	6,707	7,913	ı	6,597	9,230	4,979	ı	ı	5,309	4,649
	I	vorab	45	95				00	95	30		69	30	- 60			60	6+
		[±4	High	7,795	ı	1	6,242	7,160	7,795	9,230	1	7,359	9,230	5,309	I	1	5,309	4,649
		Soil Taxonomic Unit		All soils Average	Maximum each species	Wet spots (Wasatch)	Mixed alluvial land (Blacksmith Fork)	Logan cl	Poganeab sic	All soils Average	Maximum each species	Poganeab sic	Tia	All soils Average	Maximum each species	Wet spots (Wasatch)	Mixed alluvial land (Blacksmith Fork)	Center Creek loam (shallow water)
		Range Condition		Good			500			Fair				Poor				

RANCE YIELD AND COMPOSITION SUBALPINE SLOPES

	1 1			I					
	SC		Red Elde		1	1	 2		
	Shrubs	prush	Low Sage		1	l .	14	28	
	SI	ųsı	Horsebru		ŀ	1	 m	9	
			Daisy		I	ı		7	
		1	Knotweed		ı	ŀ	-	7	
		rot	Wild Car		, –	7		1	
		pəə	Sneezewe		5	5	1	I	
ł			Bluebell		-		ı	ı	
			Aster		10	10	2	5	
t)		Lic	Olaupalo		5	5	E	-	
Species Composition (Percent)	Forbs	ı	Owiclove		H	П	1	I	
Per	F2		sisunnA		2	2	I	I	
l ü		əı	Meadowru			H	ı	ı	
tio		t	Geranium		9	9	 1	ı	
osi			Mormwood		23	23	 ı	1	
dino			Yarrow		-	П	 14	17	
CO			Peavine		4	4	 1	- 1	
cie		J;	ewollnus		2	7	 1	1	
Spe		tve Bluegr.	Tall Nat		1	1	 2	-7	
			Kings Fe		1	ı	 QQ	17	
1		Sedge	Dryland		1	1	 12	13	
		ın Needlegr.	Геттегша			-	 14 1	14	
	ses		Mountain		4	4	 H	- -	
	Grasses	Bluegrass	Suibbow		П		 H	<u></u>	
	5	ES1	Ontongra		7	4	 H	p(
		τ	Trisetum		П	-	 9	00	
		. Needlegr.	Stdmulo		6	6	 2	7	
		Wheatgrass	Slender		18	18	 10	10	
-							 		
		Number of Plots			10	i	20	1	
		N L							
		a)	3		9†		75		
		ab1	Low		1,4	I	1,075	3	
	e1d	Unfavorable Years	90		1,446 1,446				
	Yi	nfa	era		,441	1	1,411	t	
	ual	5	Ave		-		 ri -		
	Total Annual Yield	a)	Average Average						
	al	abl	ver		1	1	1	I	
1	lot	Favorable Years	- A				 		
		E E	High		1	1	1	1	
			Ħ						
		ц				ies		es	
		Uni			Average	oec.	_	ecj	
		C			vera	ı sı	78r]	1s I	
		nom.			A	sach	=	ach	
		ахо			S	E E	like	E	
		1 Ti			soil	Maximum each species	ırkay"li Average	Maximum each species	
		Soil Taxonomic Unit			All soils	Мах	Parkay"like" vgrl Average	Мах	
					A		 Ра		
		ion							
		Range Condition			П				
		Con			Good		Fair		
							H		

RANGE YIELD AND COMPOSITION HIGH MOUNTAIN CLAY

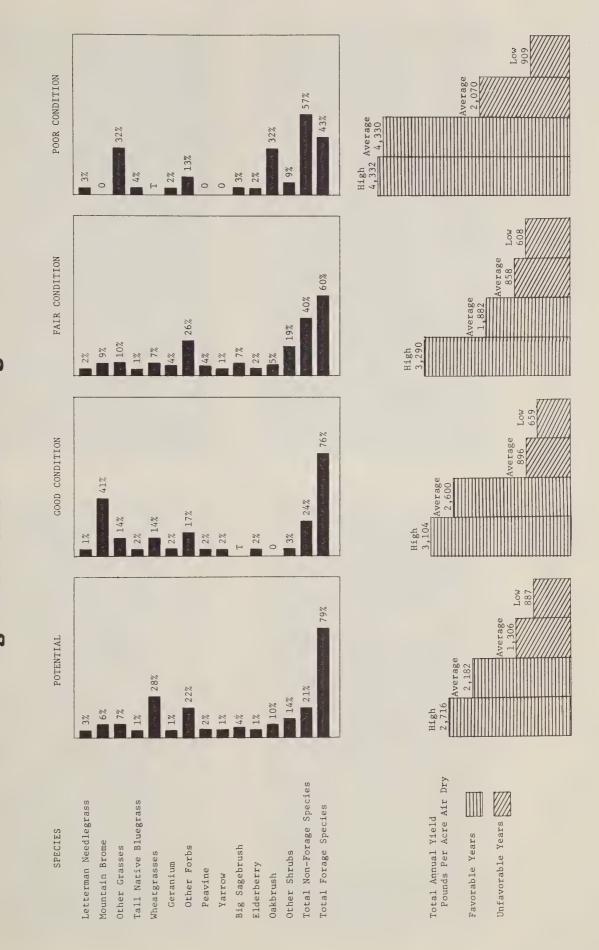
																Sp	ecie	s Co	ompo	siti	on (Per	cent	:)									
]	Total Annu	al Yield						Gra	sses										F	orb	S								Shru	bs	
Range Condition	Soil Taxonomic Unit		orable ears	Unfavor Year	\	Number of Plots	Wheatgrass	Brome	in Needlegr.		Junegrass	rescue	Wheatgrass	usin Wildrye	Bluegr	aintbrush	ns	Loco				ns				ed	r Dock	las	ush	Sagebrush	rush		erry
		High	Average	Average	Low		Slender	Smooth F	Letterma	Orchardgrass	appel 1	Tall Nat	te	Great Bas	Sandberg	Indian P	Astragalus		Annuals	Lomatium	Yarrow	Astragalu	Phlox	Bluebell	eavine	0	Mulesear	thc	Yellowbr	100	유	owb	Servicebe Buckwheat
Excellent		1,680	1,680	_	-	10	100			_	-	- -	- -	-	-	_		-	-	-		-	_	-	-	-	- -	_	-	-	-	_ .	- -
Good	All soils	1,731	1,709	773	773	41	7	19	2 9	1	3	2 -	- -	-	-	_	- -	3	1	4	4 1	. 2	1	1	2	6	2 12	-	2	6	4	3 2	2 -
	Maximum each species	-	_	_	_	-	34	26	3 30	1	33	6 -	- -	-	-	_	- -	4	1	5	6 1	. 3	1	1	3	8	3 49	-	3	8	6	4	3 -
Fair	All soils	1,440	1,030	473	473	42	15	-	- 6	-	Т	- 1	12	1	Т	1	1 1	-	_	14	T 1		_	-	5	-	1 -	1	21	3	-	8	1 4
	Maximum each species	-	-	-	-	_	21	-	- 9	-	1	- 1	L 68	3	1	2	1 1	_	-	19	1 2	-	-	-	14	-	6 -	2	24	9	- 1	.0	2 5

RANGE YIELD AND COMPOSITION HIGH MOUNTAIN LOAM

						1														S	peci	les (Comp	osit	ion	(Per	cent	=)													
			Total Ann	ual Yield	l							Gı	cass	es													rbs										Sì	rubs	S		
Range Condition	Soil Taxonomic Unit		rable ars	Unfavor Year		Number of Plots	n Brome	1 00 1	y Bluegrass		a Needlegr.	an Needlegr.	ch Wheatgr.	tive Bluegr.	Crested Wheatgrass	dgrass	Wheatgrass	Wildrye	288	00t	d Intstle	Sunflower	Loco n		Ladder	ıt	n	700			Larkspur		ongue	j.	· y	h	af Mahogany	ñ	rush	5	Sagebrush
		High	Average	Average	Low		Mountain	Dryland	Kentucky	Slender	Smooth Br	tterm	Bluebunch	Tall Nat	Crested	Orchard	1 9	Blue Wi	Oniongrass	Balsamroot	Drummond	9	Skeleton	Yarrow	Jacobs 1		Geranium	Aster	Lunine	Others	Tall Lar	Je c	Houndsto	Tarweed	Elderberry	Oakbrush	Birchleaf	Yellowbr	Bitterbrus	Others	Silver
Excellent	All soils Average	2,716	2,182	1,306	887	100	3	1	3 2	26	1 3	3	1	1	1	2 -	_	_	_	1	1 3	3 2	1	1	2 1	1	1	3	1	7					7 1	1 10	1	2	2	4 2	_
	Maximum each species	_	_	_	_	_	16	5	13 3	32	4 12	14	4	2	5	5 -	-	_	_	5	4 12	7	2	3 1		-	5	7 1	2 2	5 15			_		0 7	7 52	4	8	8 1	2 5	_
	Sessions loam	2,716	2,716	_	_	10	16	-	2 2	23	4 -	. 14	_	_	_	3 -	_	-	-	_	_		_	2	1	4		1 1:		- 10		_		-	6 7	7 -	_	_	-		-
	Toze clay loam	2,105	1,891	1,306	887	80	-	1	3	1	т 3	2	1	1	1	4 -	-	-	-	1	1 3	3	1	_	2 -	-	1	4 -	- 2	2 7	_	-	-	_	7 -	- 37	1	3	2	5 3	-
Good	All soils Average	3,104	2,600	896	659	39	37	-	- 1	L3	T 4	1	-	2	-	- 13	1	1	T	-		- -	-	2	2 -	_	2		_ _	- 8	3	2	2	2	- 2	2 -	-	T	T	Т 3	- 1
	Maximum each species	-	_	-	-	_	83	-	- 3	32	1 28	3 2	-	16	-	- 55	11	14	1	-		- -	-	5	6 -	-	30		_ -	- 10	11	5	6	9	_ 9	9 -	-	1	2	1 8	-
	Clayburn loam	1,745	1,745	-	-	2	-	-	- 3	32	- 28	-	-	-	-		-	-	-	-			-	-		-	-		- -	- 22	_	-	-	-	_ 9	9 -	_	-	-	- 8	-
	Sessions loam	2,080	2,080	-	-	1	41	-	- 1	14	- -	-	-	-	-		-	-	-	-			-	5	5 -	-	30	5 -	- -	- -	-	-	-	-	- -		-	-	-		-
	Lucky Star	3,104	3,104	803	659	22	61	-	-]	14	Т -	1	-	T	-	2 -	-	-	T	-		-	-	2		-	-		- -	- 5	5	3	-	4	- -	- -	-	-	_	- 2	-
Fair	All soils	3,290	1,882	858	608	144	5	1	-	3	T 4	2	Т	1	-	7 1	4	1	T	-	T	1	-	1	4 T	2	4	1 1	r 1	r 17	2	1	2	1 1	3 2	2 5	T	-	-	7 2	4
	Maximum each species	-	-	-	-	-	19	6	- 1	L7	3 18	13	3	16	- 1	6 13	11	17	4	-	2 7	12	-	3 1	8 1	9	17	5	9 4	4 20	25	7	36	6 3	5 21	1 65	3	-	- 2	9 10	42
	Clayburn loam	2,195	1,768	1,014	1,000	34	4	-	2	9	2 -	. 2	-	1	-	8 6	-	-	-	-		-	-	-		-	-		- -	- 15	-	-	13	-	3 10	0 -	_	_	-	3 4	18
	Buell grl	2,310	2,010	-	-	2	-	-	-	- 1	5 -	2	4	-	-		-	-	4	-		-	-	-		-	18		- 2	7 -		-	-	- 1	6 -	-	-	-	_	- 15	-
	Session loam	2,020	1,593	-	-	3	7	-	-	9	5 -	24	-	-	~	4 -	-	-	-	-		. 4	-	- 2	4 4	_	14		- -	- 3	-	-	2		- -		-	-	-		- 1
	Cedar Hollow like	-	-	814	608	60	4	T		-	2 9	T	-	Т	-	4 -	10	T	2	-		-	-	2	4 T	2	10	2 -		- 18	, -	-	-	- 2	4 -		-	-	-	8 -	-
	Lucky Star sil	3,290	3,290	-	-	10	19	-	-	6	- -	-	-	1	- 2	3 -	-	4	1	-		-	-	3	1 -	-	-			- 3	3 25	-	7	-	- -	- -	-	-	-	7 -	-
	Toze cl	1,248	1,248	-	-	10	-	2	-	-	- T	1	-	-	-	- -	-	-	-	-	2 7	12	-	-		-	-	2 -	- -	- 1		-	-	-	3 -	- 65	3	-	-	- 2	-
Poor	All soils	4,332	4,330	2,070	909	30	-	-	T	T	т -	3	-	4	- 3	2 -	-	-	-	-		-	-	-		-	2	T -	- :	1 T	12	-	5	-	1 2	2 32	-	-	-	3 8	-
	Maximum each species	-	-	-	-	-	-	-	1	6 1	1 11	85	-	22	-		-	-	-	-		-	-	-		-	56	7 -	- 10	10) -	-	48	-	2 19	9 96	-	-	- 1	0 10	, -
	Sessions loam	-	-	1,820	1,820	1	-	-	-	-	- 11	85	-	-	-		-	-	-	-			-	-	- -	-	-		- -	- -	-		4	-	- -	- -	-	~	-		-
	Skyline sil	4,329	4,329	-	-	10	-	-	1	-	- -	-	-	-	-	- -	-	-	-	-		-	-	- -	- -	-	-		- -	- -		1 -	-	-	1 -	- 96	-	-	-	- -	-
	Clayburn loam	4,332	4,332	2,950	2,950	3	-	-	-	1	T -	-	-	-	- 3	2 -	-	-	-	-		-	-	-		-	-	5 -	-	7 4	-	-	4	-	- 5	5 -	-	-	-	- 42	-
	Flygare sil	4,332	4,332	-	-	11	-	-	-	1	- -	1	-	9	- 6	6 -	1	-	-	-		_	-	- -		-	-		. .	- 4	-	1	-	-	2 -		-	1	- 1	0 4	-
	Buell grl	-	-	1,430	1,430	1		-	-	-	- -	7	-	-	-	6 -	-	-	-	-		-	-	-	- -	-	56	- -	- -	- 30	-	-	-	-			-	-	-		-

YIELD AND VEGETATION COMPOSITION

High Mountain Loam Range Site



HIGH MOUNTAIN LOAM RANGE SITE



EXCELLENT CONDITION



GOOD CONDITION



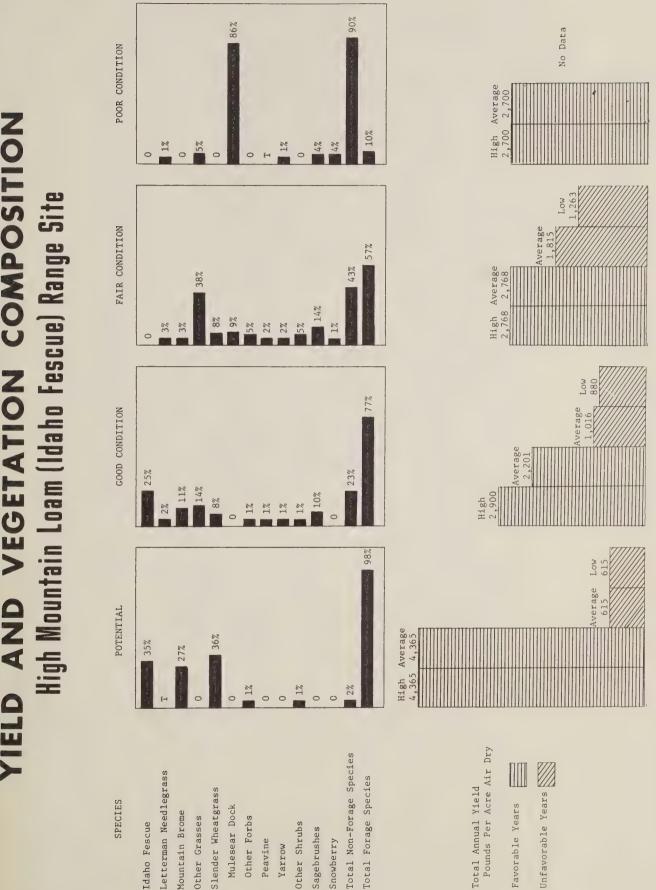
POOR CONDITION



RANGE YIELD AND COMPOSITION HIGH MOUNTAIN LOAM (IDAHO FESCUE)

																				Spe	cies	Con	npos	iti	on (Per	cent	:)												
			Total Ann	nual Yield								G	Frass	ses													Forb	S					-				Shr	rubs		
Range Condition	Soil Taxonomic Unit	1	rable ars	Unfavor Year		Number of Plots	n Brome	\ \times	escue	a Needlegr.	escue	n Needlegr	Native Bluegr.	Sedge	Brome	Junegrass v Bluegrass		ch Wheatgr.	Basin Wildrye	Larkspur					reed		aria	ion	pa	in Vetch	2	lg Star		ir Dock		agebrush	ry	ip Sagebrush	llowbrush lver Sagebrush	
		High	Average	Average	Low		Mountain	Slender	Idaho F	Columbi	Onionera	Letterm	Tall Na	Dryland	Nodding	Kentucky	Others	Bluebunch	Great B	Tall Lark	Geranium	Aster	Others	upi	Sneezew	rarrow	Stellar	ndel	Knotwee	American	Native	Shooting	Mountain	ulese	Others	S	nowbe	Threeti	Yellowb	Rose
Excellent	All soils	4,365	4,365	615	615	11	//3	2 51	5	_	_							_		_			_	_	_	_	_		_	_	_	_	_	_ _	_	-	_	_	_ -	Т
	Maximum each species		_	-	-	_		5 97	-	_				_	_	_ -		_	-	_	_		_	-	_				-	-	-	-	- .	- -	_	-	-	-		3
	Lucky Star sil	4,365	4,365	_	_	10	46	46	6	-				_	-			-	-	_		. -	-	-	-				-	-	-	-		- -	-	-	-	-	- -	-
Good	All soils	2,900	2,201	1,016	880	55	11	L 7	28	3	2 2	2 2	2 2	2	1	2 -		-	-	_	- 2	1	6	2	3	1	1 1	2	1	1	1	1	1 1	3 -	-	-	-	7	1 3	-
	Maximum each species	-	-	-	_	-	27	13	36	8	5 5	5 15	34	4	3	4 -		-	-	-	- 5	3	3	6	9	3	1 4	5	6	2	2	2	3	7 -	-	-	- 2	20	2 14	-
	Clayburn loam	1,984	1,984	960	960	16	8	3 13	36	-	5	3 2	4	2	-	-	L -	-	-	_	- -	-	4	-	3	3	3 1	. 3	-	2	2	2	3 -	- -	-	-	-	-	- 4	-
	Baird loam	1,913	1,913	-	_	3	3	8	28	2	- 2	4 4	4	4	-			-	-	-	- -	-	5	-	9	3	1 4	5	3	-	-	-	- :	1 -	-	-	-	-	- 14	-
	Ronnie loam	2,147	2,147	-	_	3	55	5 4	17	-	- 3	3 1	-	-	-			-	-	-		-	1	-	2	1 .		2	6	-	-			- -	-	-	-	-	- 4	-
	Robin sil	2,300	2,300	1,200	1,200	20	-		34	8		- 1	-	3	3	4 -	- -	-	-	-	- 5	3	3	6	-	-		-	-	-	-	-	- 7	7 -	-	-	- 2	20	2 -	-
Fair	All soils	2,768	2,768	1,815	1,263	48	3	8	-	1	T	r 3	1	3	-	T -	- 3	2	28	6	2 I	T	5	-	-	2	2 -	-	-	-	-	-	- 7	T 9	-	13	1	-	5 1	-
	Maximum each species	-	-	-	_	-	48	3 21	-	6	1	1 18	3 4	4	-	2 -	- 1	9	45	14	6 1	. 1	5	-	-	3	6 -	-	-	-	-	-	- 1	1 41	2	27	5	- 2	23 12	-
	Lucky Star sil	2,768	2,768	2,014	2,014	31	3	3 4	-	-	T I	1 1	-	3	-	1 -	- 1	3	29	9	4 I	T	5	-	-	2	4 -		-	-	-	-	- -	- 15	1	8	-	-	8 -	-
	Flygare sil	-	-	1,843	1,843	10	-	- 15	-	3		- 1	4	1	-	- -	- -	-	44	-	- -		2	-	-	3		- -	-	-	-	-	- -	- -	-	27	1	-	- -	-
Poor	All soils	2,700	2,700	-	_	1	-		-	-		- 1	-	-	-	- -	- -	4	-	-	- -	-	-	-	-	1			-	-	-	-	- -	- 86	-	4	4	-		-
	Maximum each species	-	-	-	-	-	-		-	-		- 1	-	-	-	- -		4	-	-		-	-	-	-	1			-	-		-	- -	- 86	5 -	4	4	-	- -	-
	Lucky Star sil	2,700	2,700	-	-	1	-		-	-		- 1	-	-	-			4	-	-	- -		-	-	-	1	- -		-	-	-	-		- 86	-	4	4	-		-





RANGE YIELD AND COMPOSITION HIGH MOUNTAIN LOAM (ASPEN) SUMMER PRECIPITATION

	1		козе	9	4	1	1	1	ı
	ps	ιλ	Snowber	m	- 4			H	
	Shrubs		uədsy	27	30	52	65	77	77
	S	ATA J	Concolor	- 2	<u> </u>	2 5	9 9		
-			Astraga		I	1	1		m
		5[Violet	1	1		7	1	
		paa	Məzəəus	ŀ			· · ·	1	1
			Dandelio	1	1		7	7	m
			Horsemin	1	1		7	1	
			Daisy	1	1	rI			1
nt)		pəa	Butterwe	. 1	1		7	1	1
rce			rsd list	ŀ	1		m	1	1
(Pe	Forbs		Peavine	l	1	2	7	1	1
no	FC	18.1	Stellar	1	1		7	ı	1
iti			Others	2	7	- 2	- 2	5	Δ.
Composition (Percent)			Yarrow	2	2	H			· ·
		ar	Meadowr		2		2	1	1
es			Wild Car	-	7	H	7	ı	1
Species			Sweetan		7	1	1	ı	1
·Sp			Tosion	<u>ش</u>	- 4	1	1	7	m
			oleupnio	Н		ı	1	E	
		an Needlegr.		I	1	1	1	7	7
		y Bluegrass		ı			7	1	1
			Others	ı	ı	<u>~</u>		4	- 2
	ses	Seage	Dryland	21	22	10	13	5	9
	Grasses	Fescue		11 2	14 2	2 1	4 1		5
	Gr	. Needlegr.		1 1	1 1	-	4	⊣	2
			gnibboN	4	9	€	Н	H	⊢
		Wheatgrass		19	9 7	12	32		ı
1					7		VI		
		Number of Plots		30	ı	50	1	07	I
	77	able	Low	554	ı	778	ı	1,889	ţ
	al Yield	Unfavorable	Average	554	ſ	778	ı	1,895	ı
	Total Annual Yield	Favorable	Average Average	3,202	ı	3,192	ı	8,280	I
	To	Favo	High	3,202	ı	4,141	ı	8,280	ı
		Soil Taxonomic Unit			Maximum each species	All soils	Maximum each species	All soils	Maximum each species
		Range		Excellent All soils		Good		Poor	

RANGE YIELD AND COMPOSITION HIGH MOUNTAIN LOAM (SUMMER PRECIPITATION)

			Fabri	ral list		1	1	. 28	28	
				Waterlea		1	ı	7.7	7.	
		co.		Lupine		1	1	13	13	
	nt)	Forbs		Datsy		m	ന	ı	1	
	(Percent)	E	u	Dandelto		Н		m	n	
	(Pe			Yarrow		7	2	ı	ı	
				Peavine	1	10	11	19	19	
	iti		BS	Ontongra	1	ı	1	4	4	
	Composition		Wheatgrass	Bearded	†	ı	ı	m	m	
	Com			Огрега		9	· 9	2	2	
		es	Needlegr.	StdmuloS	1	H	2	ı	1	
	Species	Grasses	Wheatgrass	Slender		H	رک	10	10	
	Sp	Gr	втоше	Mountain		E	2	1	1	
			ənos	Sheep Fe		7	45	1	1	
			Feacue	Thurbers		09	75	ı	1	
			n Needlegr.	Letterma		5	9	13	13	
	1		H							
			Number of Plots			11	1	m	-1	
			Nu P1							
				ß				00		
			ble	Low		I	1	918	1	
		1d	Unfavorable Years	. a						
		Yie	fav	rag		ı	1	918	1	
		lal	d d	Average				6	·	
		Total Annual Yield								
		11 A	o o	rag		3,142	1	1	1	
		ota	abl	Average		ς,			•	
		Г	Favorable			9				
			E E	High		3,166	1	1	1	
-				H		m				
			μ,				Te s		ies	
1			Uni				pec		pec	
			i.				h s		S	
			nom				eac		eac	
			axo			18	Maximum each species	1s	Maximum each species	
			1 1			soi	xim	SOL	cim	
			Soil Taxonomic Unit			All soils	Ma	All soils	Max	
-						A		A.		
			Range Condition							
			Range			p		Set		
			R			Good		Fair		

RANGE YIELD AND COMPOSITION HIGH MOUNTAIN CLAY (ASPEN)

	Shrubs	λ	Snowberr	_	14	1
	Shr		ysben	58		61
			Lupine	1		Н
(Percent)		1	Bedstraw	I	I	Н
erc		J	Geranium	1	ŀ	2
	S		Violet	ı	ı	2
ion	Forbs		Others	00	10	1
Composition	H T	Coneflower	Western	7.	9	00
odw		əs.	Sweetani	2	7	7
			Peavine	7	13	14
ies		b.	Stellari	p	·	ı
Species			Blue Wil	3		4
S	Grasses	dow Oatgr.	Tall Mea	_	2	l l
	ras	Втоте	Mountain	7		N
		Wheatgrass	Slender	~	10	E
		Number of Plots		61		30
		able s	Low	1.182		1
	al Yield	Unfavorable	Average	1,182	i i	1
	Total Annual	Favorable Years	Average	1,714		2,380
		Favoi	High	1,727	ì	2,380
		Soil Taxonomic Unit		A11 soi1s	Maximum each species	Silks soil
		Range		Good		Fair

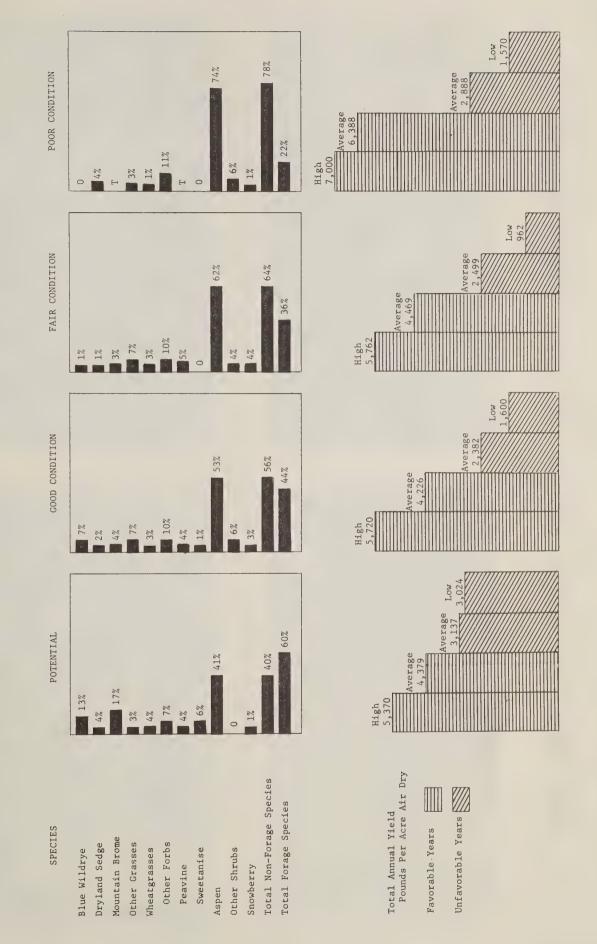
RANGE YIELD AND COMPOSITION HIGH MOUNTAIN LOAM (ASPEN)

	1	кл	Elderber	ı	1	1	1	-	ı	1	ŧ	5	ŧ	1	3	П	1	m	1	1	1	1	1
	-	Á.	Snowberr	-	3	1	1	m	ı	[-4	ı	3	7	9	ı	H	3	E-4	2	7	H	-	4
squ	1		Aspen	41	70	57	52	54	52	32	50	53	72	09	44	58	72	23	56	57	47	09	99
Shrub	+	Laurel	Mountain	1	1	1	1	1	1	1	-1	- 1	-1	1	n	- 1	ı	ı	ı	1	ı	ł	-
\sqrt{s}	+		Огрега	ı	1	ı	1	1	ı	1	1	F	ı	1	1	2	1	4	7	1	ı	H	ı
	ŀ	agebrush		1	1	1	1	1	-	ı	1	1	ı	- 1	1	1	1	1	ı	ł	2	1	F
-	+		Bluebell	1	1	1	1	1	1	1	1	-	1	1	9	1	1	n	1	1	1	ı	1
	-		Aster	1		1		1	1	1	1		~			ı	1		1	1	-	3	-
	-		-	ı				1		1			2	1	~	<u></u>	ı	9	1	2	-	1	1
	-		Senecto	1				-			1		00	-		1		-	Н			4	00
	-		Gerantum				-					Н	00				1	4			7	1	1
(Percent	-	квриг	rel Lier	1											-		-				7	00	
erc			Others	-2	10	2	9	1		_		-2	00	57	4	10	- 2	10		4			
(F)			Molisy	H								H	4					<u></u>	7				
Ton (L	ət	Meadowru	₽	-	1	- 1	1	1	⊢	F	E-4	<u>س</u>	1	2	- 1		- 1	1	<u>س</u>			
Composition			Violet	H	5	1	I	I	ı	-	ı	ı	1	1	1	-	ı	1	1	1	1	-1	ı
ipos		5.	Stellari	H	n	Н	2	1	I	1	1	⊱	2	H	ı	I	-	1	I	2	ı	1	ı
CO	-	adder	l adosal	H	2	-	2	I	ı	1	1	1	I	ı	ı	1	ı	1	1	- 1	ŀ	1	-1
00	-		Peavine	4	00	4	4	4	1	4	9	7	13	∞	00	4	13	3	Н	3	4	ı	1
Specie	-	וב	Horsemin	7	-5	П	2	5	1	H	ı	Н	10	ı	ı	I	1	Н	1	ŧ	n	ŀ	ł
Spe	-		Sweetani	9	17	91	97	L5_	1	1	-	-	- 00	F	1	ı	1	E	00	1	1	-	1
	-	Coneflower		-	7 1	-	+	1	1	1	7	E	00	1	1	H	1	Н	1	1	1	1	1
-	+	stn Wildrye		1	1	1	1	1		ŀ	1	2	2	1	1	1	ŀ	3	1	1	12	1	1
	-	Bluegrass		1	1	1	1				1	7	13 2	00	7	EH	2	2	⊢				3
	-			2	5	2	<u>ب</u>			-		3	5 1	1		9		1	3	9	<u>е</u>	7	3
-	-		Others					-	- 12						<u>'</u>								
asses			Dryland	4	115	1	1			10	2	7	17	1		<u></u>	<u> </u>	4			-	17	9
Gras	-	Wheatgrass	-	:	<u> </u>	~~	H				-		21		4				0		4	1	1
0			Ontongra		4		7	7	4		1	<u></u>		-		1		<u></u>			-		
			Blue Wil	13	30	4	5	2	9	15	21	_	17		<u>د</u>		4	_	1	14	-	1	-1
		Wheatgrass	Slender	m	47	1	1	5	1	~		2	11	c	1	3	2	7	\vdash	1	9	2	2
		n Brome	Mountain	17	47	7	4	00	25	27	4	4	26	9	10	\vdash	- 1	17	- 1	1	6	-	1
		Number of Plots		82	1	16	9	5	Н	30	10	351	ı	4	3	18	13	22	30	30	09	20	20
			Low	3,024		,430	3,295	3,221	3,290	2,963		1,600		1	2,205	1,957		1,600	2,809	573		000	1,600
eld		Unfavorable Years				7														2,573		2,000	
ıl Yi		Infav	Average	3,137	1	3,171	3,314	3,221	3,290	3,162	ı	2,382	ı	ě	2,205	1,991	ı	2,878	2,809	2,573	1	2,000	1,600
Annua											<u></u>			00			· · · ·			2			
Total Annual Yield		Favorable	High Average	4,379	1	3,905	ı	-1	1	5,370	3,793	4,226	I	3,818	609,4	ì	3,898	4,043	I	ł	4,823	4,000	4,200
H		Favo	High	5,370	ı	3,927	1	ı	1	5,370	3,793	5,720	ı	3,818	609,4	1	3,898	4,043	1	ı	5,720	4,000	4,200
		Soil Taxonomic Unit		All soils 5	Max. each species	Clayburn loam 3	Ipsom loam	Judah loam	Baird loam	Lucky Star gr sil 5	Flygare sil 3.	All soils 5	Max. each species	Judah loam	Baird loam 4,	Roundy loam			Moon Canyon	s soils	Lucky Star sil 5,	Rose Fork sil 4,	Robin sil 4,
				t All	Ma	Clay	Ipso	Juda	Bair	Luck	Flyg	A11	Ma:	Juda	Bair	Round	Clayburn	Flygare	Moon	Kamas	Lucky	Rose	Robin
		Range		Excellent								Good											

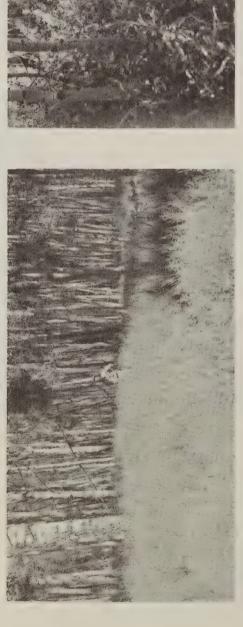
RANGE YIELD AND COMPOSITION HIGH MOUNTAIN LOAM (ASPEN) continued

		£	Snowberr	4	31	2	П	5	1	3	7	1	31	1	9	1	5	1
			uədsy	62	70 3	64	99	58	57	99	99	68	6	4/	16	92	77	77
	sqr		Ninebark	2	19 7	8	1	1	1	1	1	1	14	1	1	1	러	1
	Shrub		Отрека	2	6	5	2	-	8	1	-	1	7	2	2	7	1	1
		sery.	Срокесре	- 1	- 1	1	2	00	1	- 1	1	1	- 1	1	ı	1	1	1
		: L À	Elderber	ı	1	1	1	0	2	1	1	1	1	4	<u>س</u>	9	1	4
		I	Knotweed	1	1	1	1		ı	1	1		1	7	3_1	6	1	1
		T	Bluebel	1		1	1	- I	4	1	1		1	1	1	1	1	1
			Aster	1			1	- 1	1		1	<u> </u>	-				1	1
		гкариг	Tall Lar		14	1	<u>ر</u>	ı	ı		1	1	ı	1	1	1		
			Lupine		12 1	1	1	1			1	1	1	1	-	1		1
			Yarrow	H	4 1	- 1	1	_			_			Ε	4	1	-	1
			Senecto	H	4	H	-	-	1	-	-		-		 I		1	-
(Percent)		Coneflower		Н		2	ω.		<u> </u>	7	<u>'</u>	-			6	2	5	2
erc	Forbs				4 11							2	2 -	<u> </u>	8		2	1
(Pe	For		Horsemi															
no		u.	Geraniu	H	4	-		1	H	-		1	1		1		- !	1
iti			Peavine	-5	14	2	<u>~</u>	<u> </u>	- 2	12	5	2	4	H	C4		1	2
bos		ən	Meadowr		er.	Η	2	,H	H	~	1	-2		1	1	-		-1
Composition			Огрега	4	10	m	1	2	9	~	9	4	16	9	10	5	3	4
		pəa	Butterwe	H	2	1	!	-1	-1	2	2	- 1	-1	H	4	1	6	ω
Species		pa	Stickse	[-1	5		-1	-	-1	1	-	1	1	1	ŀ	1		1
Spe		35	влскмрея	E	4	- 1	- 1	ω,	. 1	-		- 1	- 1	-1	- 1	1	1	1
			Tarweed	1	f	- 1	I	1	- 1	- 1	-1	- 1	- 1		3	2	. 1	1
		sain Wildrye	Great Ba	1	1	-1	2	ı	-1	1	ı	ı	ı	H	53	1	-	1
		ldrye	Blue Wil	Н	2	ı	П	- 1	c	2	7	1	-1	ŀ	- 1	1	ı	1
		Wheatgrass	Slender	2	14	1	3	2	ı	2	H	14	-1	-	3	[1	2	П
		y Bluegrass	Кептиску	⊣	00	ŀ	ı	1	1	ı	1	- 1	3	ı	- 1	1	ı	1
	SS	əgpəg	Dryland		13	ı	E	H	7	-	1	1	-	4	28	H	1	1
	Grasse	.ive Bluegr.	Tall Nat	H	H	ŀ	ı	1	1	ı	ı	1	7	\vdash	1 2	E++	1	1
	Gra	an Needlegr.	Letterme	-		1	t	7	9	1	1	ł	F	E-4	6	1	1	1
		Meedlegr.		2	9 2	H	1	1	1	1	2	1	ı	⊢	2	ı	1	1
			Others	3	0 1	7	-	2	2	П	2	1	-5	2	5	7	1	ı ı
		Wheatgrass		-	4 1	П	3	1	ī	1	1	1	1	1	ı	1	ı	1
				m	14 1	2	00	2	2	2	7	9	2	H	-5	E-4	7	2
			Mountair		-													
		ber f ts		0	1	00	00	5	4	0	0	0	0	83	1	00	9	2
		Number of Plots		440		48	80			9	120	10	20	00		48	16	
				01			\st		,†				CI	0		2	9	
		е	Low	962	1	2,395	2,354	1	1,514	F	2,011	1	962	1,570	1	2,605	3,026	1
		abl				2,	2,		H		2,			٦		2,	3	
	eld	Unfavorable Years	981	6		8	3.1		4		-		2	88		1.2	9:	
	Yi	nfa	Average	2,499	1	2,798	2,981	1	1,514	1	2,011	1	962	2,888	I	3,042	3,026	I
	ual	ם	Av	2		2	2		П		2			2		9	()	
	Total Annual Yield		8 6	6		2	2	4	3	0	9	9		00		2	0	0
	11	1e	Average	4,469	1	5,762	5,102	3,994	3,533	4,020	3,966	4,006	1	6,388	1	4,722	7,000	4,580
	rot	vorab] Years	Ave	7		5	5	3	3	4	3	7		9		4	7	4
	-	Favorable	-	52		22	31	20	33	20	99	90		00		22	00	80
		प्र	High	5,762	1	5,762	5,381	4,020	3,533	4,020	3,966	4,006	- 1	7,000	1	4,722	7,000	4,580
-			Д	- 41	70	-1		7	· 1	7	· · ·	7				,		
		+			Maximum each species										Maximum each species			
		Uni			bec		7								ped			
		itc			th s		S	E			S				th s		[]	
		поп			eac	日	18	108	_	S	oil		am		ead	目	S	am
		ахо		ls	THE T	loa	tar	ne	oam	oi1	t s	il	10	ls	E E	loa	tar	10
		1 T		soi	кim	dy	y S	Sto	d 1	S	Fla	S	ine	soi	xim	dy	S	ine
		Soil Taxonomic Unit		All soils	Ma	Roundy loam	Lucky Star gr sil	Hailstone loam	Baird loam	Kamas soils	Mud Flat soils	Scave sil	Skyline loam	All soils	Ma	Roundy loam	Lucky Star sil	Skyline loam
		U2		A.		R	Ľ	H	B	K	Mı	S	S	A		R	ij	S
		по																
		Range Condition		,														
		Sa		Fair										Poor				
		1 0		त्त										-				

YIELD AND VEGETATION COMPOSITION High Mountain Loam (Aspen) Grazable Woodland Site



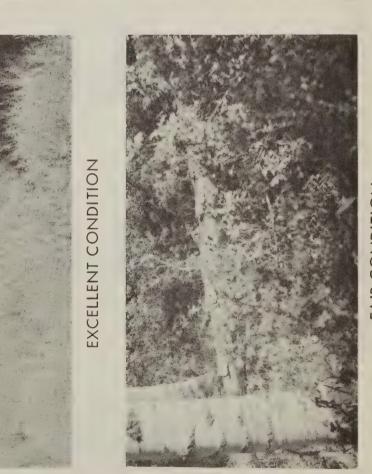
HIGH MOUNTAIN LOAM (ASPEN) GRAZABLE WOODLAND SITE



GOOD CONDITION



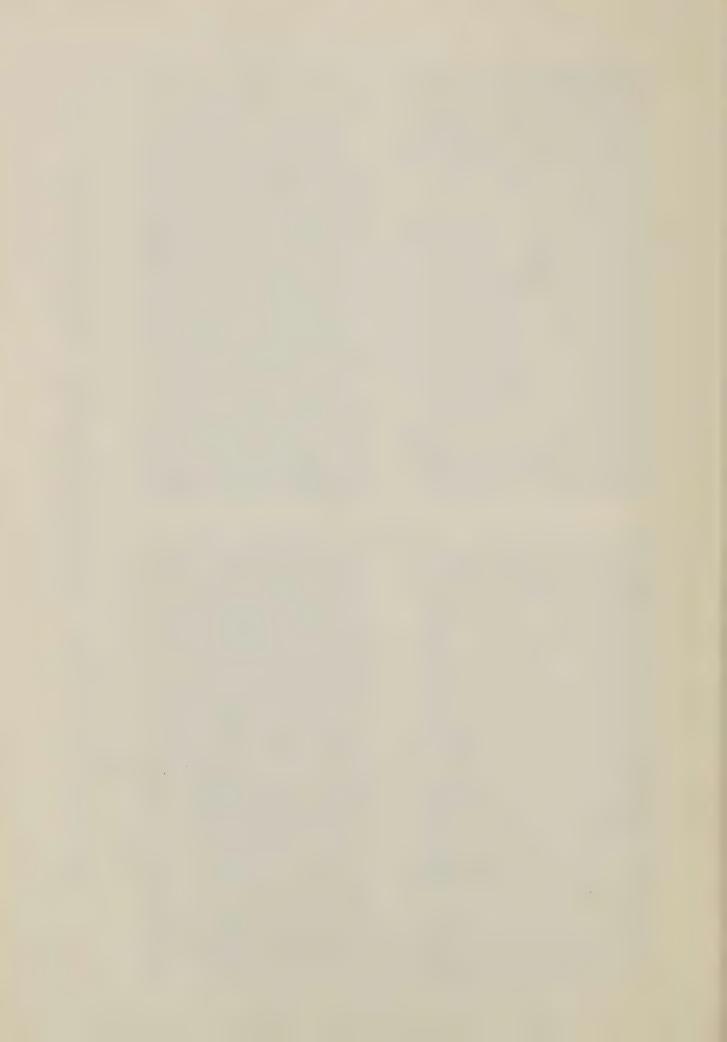
POOR CONDITION

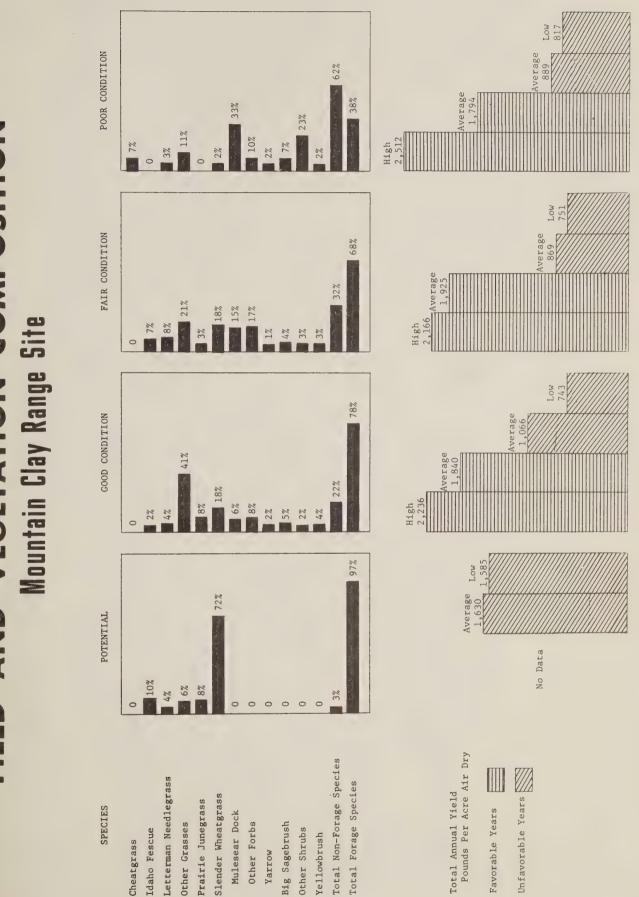


FAIR CONDITION

RANGE YIELD AND COMPOSITION HIGH MOUNTAIN STONY LOAM (ASPEN)

1	1	erry	26 1 A7CGp	1	7		Н	E	_	1	,⊢	
			Snowberr	+		Н	1		m	1	· ~	
			Ninebark		37	37	37	9	22	1	22	
	S	Myrtle	Mountain	-	7			1	1	1	1	
	Shrubs		Коѕе	<u> </u>	\vdash	Н		-	7	E	7	
	Sh		yabsu		36	36	36	39	55	42	8 4	
		- LA	Elderber		1	ı	1	7	4	1	1	
		S	Сезпотри	1	ı	ı	1	<u> </u>	3		3	
			Огрега		1	ı	ŀ	1	ı	1	2	
			Yarrow		1	ı	1	1	1	- 1	7	
) i	Columbin		1	ı	ı	1	1	2	1	
nt)		1	Bluebel		ı	- 1	1	ı	ı	П	П	
rce		E	Knotweed		1	ı	1	ł	1	2	1	
(Pe			Aster		1	-	1	2	21	16	2	
lon	,		Отрега		ı	ı	1	3	5	5	2	
siti	SS		Peavine		ŧ	Ī	I	m	15	0	2	
odu	Forbs	ər	Meadowru		1	1	1	11	24	2	1	
Cor		11	Horsemir		1	1	1	6	16	9	H	
ies		əs	Sweetani		-1		1	5	13	1	1	
Species Composition (Percent)			Annuals		1	1	1		7	H	1	
S			Waterlea	ļ	-1	1	1		7	1	- 1	
		:kspur	Tall Lar		1				9		1	
			Peavine		- 2	2	2					
			Senecio					I	- H		1	
		9	Others		1	1	-		1		- 1	
		Wheatgrass			- I		1	Н	4	2	-	
	8	Wheatgrass		-	<u>'</u>	1		2 2	9 12	9 +	<u>'</u>	
	Grasses	. Needlegr.	Signoino		· 1	1	<u>'</u>			7		
	Gra	Bluegrass			-	1	<u> </u>	<u> </u>	3 24	<u>'</u>		
			Blue Wil		9	9	9		2 33		7	
			Mountair		-	-	-	7	∞	Е.	∞	
-												
		Number of Plots			10	- 1	10	71	1	20	20	
		Nu P1	,									
			Δ		09		09	143				
		able	Low		2,160	1	2,160	1,343	1	1	1	
	eld	Unfavorable Years	9									
	Yi	nfar	Average		2,160	-1	2,160	1,650	1	I	1	
	ual	ŭ			2		2	П				
	Total Annual Yield		Average					2		9	6	
	al	le le	rera		-1	-1	1	2,582	1	2,336	2,829	
	Tot	vorab	Av									
		Favorable Years	sh		ı	ı	ı	2,829	1	2,390	2,829	
		-	High				,	2,8		2,5	2,8	
						S)			s S			
		nit				Maximum each species			Maximum each species			
		D O				ds 1	ivl		ds 1		ıvı	
		iomi				ach	gra		ach	311	gra	
		эхог			Is	III.	tar	ls	EID C	gr	tar	
		ı ı			soi.	xim	S	soi	xim	e11	y S	
		Soil Taxonomic Unit			All soils	Ма	Lucky Star gravl	All soils	Ma	Daybell grsil	Lucky Star gravl	
		<u>-</u>			A		Ü	A		Q	H	
		Range Condition										
		Range			po			H				
		Con			Good			Fair				





RANGE YIELD AND COMPOSITION MOUNTAIN CLAY

		Lush	Kellowbi	1	1	1	ı	4	24	4	12	9	12	\vdash	m	2	11	П	m
			Servicel	1	1	-1	1	Н	4	ı	3	- 1	<u> </u>	ı	ı	1	-	ı	1
	S	spinsh	Big Sage	1	1	-1	1	5	12	4	10	4	00	<u>س</u>	3	7	24	6	9
	Shrubs		Others	I	ı	1	1	Н	<u></u>	ı	7	7	4		m	7	6	ľ	2
	Sh	ysn	Bitterbr	ı	1	1	ı	1	1	ı	—	1	1	1	1	1	ı	- 1	1
			Low Sage	ı	1	1	- 1	1	ı	1	ı	-	36	1	3	16	77	00	22
			Snowberr	ı	ı	- 1	ı	ı	9	- 1	- 1	1	1	1	1	5	32 7	1	- 00
[Peavine	ı	1	ī	1	ı	ı	1	- 1	ω.	14	1	4	Н	10	1	ı
		u	Geraniu	1	1	ı	1	ı	1	n	П	H		ı	H	n	13	7	ω.
			Others	ı	1	T	ı	<u>س</u>	9	m	11	12	11	12	7	5	5	5	4
	Forbs	onnflower		ı	1	1	1	7	7	1	-	1	4		7	ŀ	1	1	1
ıt)	For		Mulesear	1	1	1	1	9	45	-	4	15	64	-00	17	33	9/	51	27
(Percent)			Yarrow	ı	1	1	1	2	5 4	3		1	11 4		1	2	4 7	2	2 2
Per			slaunnA	1	1	1	1	7	9				2 1	П	[-4		7	1	
		81	Oxytrop	1	i	1	1		∞	ı			1	1	1	1	1	1	
tio			Cheatgra	1		<u> </u>	1	1	1			1	1	1	1	7	20	5	10
osi		Wheatgrass		1		1		-	1			00	40		14	1	- 2	1	1
Composition			Blue Wi	1	<u> </u>	1	· I	· 	· I	<u> </u>	<u> </u>	m	4 4	<u>ب</u>	-	1	1	1	<u> </u>
1				,	<u> </u>	· 1	· ·	<u>-</u>	9	<u> </u>	س	·	- 6	5			<u> </u>	1	
Species		N Bluegrass	Speep Fe	<u>'</u>	<u> </u>	<u> </u>			2	<u> </u>	1				 I	- 4		[
Spe		Bluegrass		<u>'</u>		1		- 4			-	2 1	- 4	- 2		- - -	- 25		
				· ·	· 		· ·	4) 14	- 1			1			· ·	<u> </u>	1	
	rn.		Squirre	<u>'</u>		<u>'</u>		7	5 10	H	- 2	- 2			د				
	Grasses	.ive Bluegr.			-	1						1							
	ras	. Tgieatgr.							43	-2	- 19				<u>-</u>	1			
		esin Wildrye		1					36	20			· ·						
		SST	Oniongra	1	1	l .			4		1	1	1		1			H	1
			Others	5	5	7		- 5	10		2	4	40	∞	2	9	10		4
		an Needlegr.		4	15	10	<u> </u>	4	12	4	9		18	14		<u> </u>			
		Junegrass			16	11	1		17	7	9	···	6	9	₽	1	<u> </u>	<u></u>	
		. Needlegr.	sidmuloD						14		1	2	5	- 2			4	4	
			Idaho Fe	10	40	13		2	12			_	39		11		1		ŀ
		Wheatgrass	Slender	72	100	63	100	16	97	15	13	18	31	28	26	2	12	<u> </u>	
		s er																	
		Number of Plots		4	1	3	7	104	1	30	21	79	- 1	37	25	76	1	25	94
		Ż A																	
		o)	Low	1,585		35	30	ú			ς.	\leftarrow		$\overline{}$					
		ab16	i ii		- 1	2	9	74	- 1	367	74	75	- 1	751	934	817	1	776	817
	eld		1	1,	1	1,585	1,680	743	1	1,367	743	751	1	75	786	817	1	944	8
		vor							1								1		
	Υi	nfavora			1				1		743 74	869 75.	1	751 75.		889 817	1	776 776	817 81
1	ual Yi	Unfavorable Years	Average	1,630 1,	1	1,613 1,58	1,680 1,68	1,066 74		1,367 1,367			1		1,018 934				
	Annual Yi	Unfavor	Average		1			1,066		1,367	743	698	1	751	1,018	889		946	817
	1 Annual Yi		Average		1			1,066		1,367	743	698	1	751	1,018	889		946	817
	otal Annual Yi			1,630	1	1,613	1,680		ŀ				1						
	Total Annual Yield		Average Average	1,630	1	1,613	1,680	1,840 1,066	ŀ	1,972 1,367	1,709 743	1,925 869	1	1,825 751	2,166 1,018	1,794 889	1	1,590 944	1,857 817
	Total Annual Yi	9	Average Average	1,630	t t	1,613	1,680	1,840 1,066	ŀ	1,972 1,367	1,709 743	1,925 869	1	1,825 751	2,166 1,018	1,794 889		1,590 944	1,857 817
	Total Annual Yi		Average	- 1,630	ı	- 1,613	- 1,680	1,066	î î	1,367	743	698	1	751	1,018	889	1	946	817
	Total Annual Yi	Favorable Years	Average Average	- 1,630	ı	- 1,613	- 1,680	1,840 1,066	î î	1,972 1,367	1,709 743	1,925 869	1	1,825 751	2,166 1,018	1,794 889	1	1,590 944	1,857 817
	Total Annual Yi	Favorable Years	Average Average	- 1,630	ı	- 1,613	- 1,680	1,840 1,066	î î	1,972 1,367	1,709 743	1,925 869	1	1,825 751	2,166 1,018	1,794 889	1	1,590 944	1,857 817
	Total Annual Yi	Favorable Years	Average Average	- 1,630	ı	- 1,613	- 1,680	1,840 1,066	î î	1,972 1,367	1,709 743	1,925 869	1	1,825 751	2,166 1,018	1,794 889	1	1,590 944	1,857 817
	Total Annual Yi	Favorable Years	Average Average	- 1,630	ı	1,613	1,680	1,840 1,066	î î	2,236 1,972 1,367	1,709 1,709 743	1,925 869	1	1,962 1,825 751	2,166 2,166 1,018	2,512 1,794 889	1	1,590 1,590 944	2,512 1,857 817
	Total Annual Yi	Favorable Years	Average Average	1,630	ı	1,613	1,680	2,236 1,840 1,066	î î	2,236 1,972 1,367	1,709 1,709 743	2,166 1,925 869	1	1,962 1,825 751	2,166 2,166 1,018	2,512 1,794 889	1	1,590 1,590 944	2,512 1,857 817
	Total Annual Yi	Favorable Years	Average Average	1,630	ı	1,613	1,680	2,236 1,840 1,066	î î	2,236 1,972 1,367	1,709 1,709 743	2,166 1,925 869	1	1,962 1,825 751	2,166 2,166 1,018	2,512 1,794 889	1	1,590 1,590 944	2,512 1,857 817
	Total Annual Yi	Favorable Years	Average Average	1,630		1,613	1,680	2,236 1,840 1,066	į.	2,236 1,972 1,367	1,709 1,709 743	2,166 1,925 869	1	1,962 1,825 751	2,166 2,166 1,018	2,512 1,794 889	1	1,590 1,590 944	2,512 1,857 817
	Total Annual Yi		Average Average	All soils 1,630	ı	- 1,613	- 1,680	1,840 1,066	î î	1,972 1,367	1,709 743	1,925 869	1	1,825 751	2,166 1,018	1,794 889	1	1,590 944	1,857 817
	Total Annual Yi	Soil Taxonomic Unit Years	Average Average	All soils 1,630	ı	1,613	1,680	2,236 1,840 1,066	î î	2,236 1,972 1,367	1,709 1,709 743	2,166 1,925 869	1	1,962 1,825 751	2,166 2,166 1,018	2,512 1,794 889	1	1,590 1,590 944	2,512 1,857 817
	Total Annual Yi	Soil Taxonomic Unit Years	Average Average	All soils 1,630	ı	1,613	1,680	All soils 2,236 1,840 1,066	î î	2,236 1,972 1,367	1,709 1,709 743	All soils 2,166 1,925 869	1	1,962 1,825 751	2,166 2,166 1,018	All soils 2,512 1,794 889	1	1,590 1,590 944	2,512 1,857 817
	Total Annual Yi	Favorable Years	Average Average	1,630	ı	1,613	1,680	2,236 1,840 1,066	î î	2,236 1,972 1,367	1,709 1,709 743	2,166 1,925 869	1	1,962 1,825 751	2,166 2,166 1,018	2,512 1,794 889	1	1,590 1,590 944	2,512 1,857 817

RANGE YIELD AND COMPOSITION MOUNTAIN GRAVELLY LOAM

		λ	nagodaM la	Birchle	10	19	Н	2	5	2	1.	1
	တ		rush	Kellowb	H		Н	ı	I	1	7	7
ent	Shrubs		ιλ	Snowber	l	1	1	4	4	4	1	
(Percent)	Sh		Ч	Оакрипа	ı	I	ı	28	28	28	1	ı
			epınsp	Big Sag	ı	ı	i	14	14	14	72	72
Composition	S		SS	Косксте	1	1	ı	I	ı	ı	00	00
sit	Forbs		ро	Goldenr	ı	ı	1	ı	1	1	Н	Н
odu	[Eq.			Peavine	ı	1	I	Н	Н	Н	5	5
			ltail	Squirre	ı	ı	ı	ł	I	1	00	∞
Species	es		sse	Cheatgr	ı	1	I	Ţ	-	Н	m	3
pec	Grasses	٠,	tive Blueg	rall Na	28	57	57	16	16	16	ı	1
S	Gr		Bluegrass	Nevada	19	38	38	1	1	ı	1	1
		•	ch Wheatgr	ВТиерип	42	81	c	32	32	32	Н	1
			Number of Plots		2	ı		2	ı	ı	00	ı
			able	Low	780	1	780	1,085	ı	ı	199	I
	al Yield		Unfavorable Years	Average	780	ı	780	1,085	1	1	661	ı
	Total Annual		able	Average	2,340	ı	ı	ı	ı	1	ı	ı
	[Favorab	High	2,340	ı	ı	ı	ı	1	1	ı
			Soil Taxonomic Unit		All soils	Maximum each species	Bergi gravl	All soils	Maximum each species	Bergi gravl	All soils	Maximum each species
			Range		Excellent			Good			Poor	

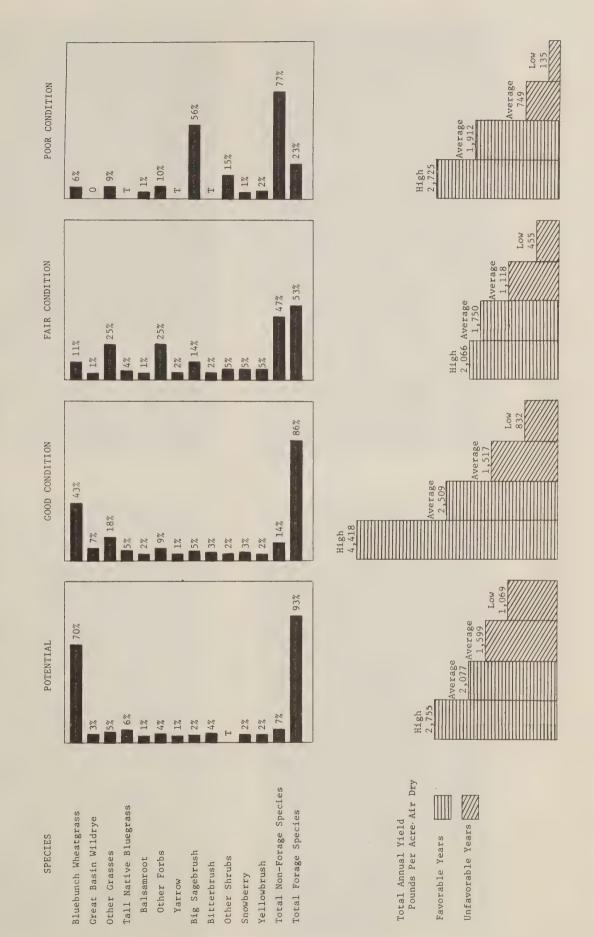
RANGE YIELD AND COMPOSITION MOUNTAIN LOAM

																				Spe	cies	Com	posi	tion	(Pe	rce	nt)												
			Total Anr	nual Yield	l								(Gras	ses											Fo	rbs									Shru	bs.		
Range Condition	Soil Taxonomic Unit		rable	Unfavor Year		Number of Plots	ch Wheatgr.	luegr	ea		basin wildrye	a Needlegr.	3	.3	escue	Sedge	an Needlegr.	Junegrass	ass	Blue	r Dock		100		nt		m	Sunflower				Milkvetch	rviceberry		h	ry	rush	rush	Sagebrush
		High	Average	Average	Low		Bluebun	Sandberg B	Bearded	11	Onioner	lumbi	Western	Slender	Idaho F	Dryland S	Letterman	Prairie	Cheatgrass	Others	Mulesear	Lupine	Others	Yarrow	Horsemint	Daisy	ranın	Buckerhoot	Annuals	Aster		Timber	Service	Others	Oakbrush	Snowberry	Bitterbrush	Yellowbrush	Big Sag
Excellent	All soils	2,755	2,077	1,599	1,069	345	79	1	1	1	3 7	ГТ	1	1	T	T I	T	Т	Т	1 2	r 1	1	2	1 1	T	Т	Т	Т	- Т	Т	T	- 1	- 1	T	Т	2	T	2	2
	Maximum each species	_		_	-	_	95	5	37	14 3	0 1	1 3	29	6	3	1 1	1	2	1	1 -	- 2	6	3	5 5	7	6	1	1	- 1	2	1	_ 2	2 -	15	27	20	T 8	3 7	5
	Manila 1	2,236	2,061	1,679	1,532	250	88	1	_	- :	1 -		-	_	_			_	-	1 -	- 1	T	2	TT	_	_	_	T	_	_	T	- 1	r -	. 1	-	1	T -	. 2	2
	Forsgren	-	_	1,266	1,266	20	76	1	-	-			-	-	-	_ -		-	1	- -		1	5	5 -	-	_	-	-		_	_				_	-	- 3	5	3
	Goring sil	2,755	2,017	_	-	44	58	-	-	- 1	5 1	1 3	_	4	2	1 1	1	-	_			2	1	- 4	_	-	1	_		-	~			1	-	2	- 3	T	2
	Ant Flat loam	2,497	2,497	_	-	10	55	-	-	- 3	0 -		_	-	-			1	_		- 2	-	-	- 4	-	_	-	_		1	-	_ -		_	_	-	- 6	1	-
Good	All soils	4,418	2,509	1,517	832	387	43	3	1	5	7 1	1	3	2	2	- I	2	1	1	1 :	l T	1	5	2 1	1	1	T	1	Т	-	T	- I	r -	. 2	-	3	- 3	2	5
	Maximum each species	-	_	-	-	-	97	14	13	42 2	6 4	8	38	13 1	12	- 3	22	6	6	5 11	5	6	10 2	2 4	15	15 1	2	9	1 T	-	2	- 4	4 -	5	-	24	- 19	5	16
	Goring sil	4,418	2,989	1,505	844	63	29	-	-	2 1	4 1	L 5	-	-	2		11	-	1	5 -	- 1	T :	10	1 2	-	-	3	T	T	Т	-			. 3	-	1	- 4	1	4
	Manila loam	1,909	1,894	1,724	1,724	110	69	2	-	1 1	1 -	- -	-	-	-			-	Т	3 -	- T	T	2	Г -	-	-	-	1		-	-			-	-	3		. 3	5
	Karlan sil	2,861	2,861	1,000	1,000	20	19	-	-	6 1	1 -		-	-	6		-	2	-	- 11	1 2	5	6	1 -	-	5	-	9		-	7			6	-	-	- 2	-	-
	DeMasters sil	2,800	2,800	1,800	1,800	20	7	2	-	7	- 1	니 -	-	-]	12		-	1	-	4 -		6	13 2	2 -	-	-	-			_	-			. 3	-	_	- 6	2	11
	Forsgren sil	_	-	1,452	1,177	40	62	12	-	4	T -	- -	-		-		-	-	Т	2 -	- 1	-	3	4 T	_	-	-	T .		_	_		_ _	1	-	-	- 4	2	5
	Ant Flat loam		-	1,426	1,426	20	56	2	-	5 1	0 -		-	-	-		1	~	-		- T	T	- 3	r 2	-	-	_	- 3	- 1	-	-		-	_	-	_	- 16	4	3
	Despain gravl	-	-	1,421	1,421	20	26	T	-	2 1	4 -		-	-			-	T	-	5 -		2 :	10 :	2 4	-	-	-	-	1 -	-	4		- -	. _	-	T	- 8	5	16
Fair	All soils	2,066	1,750	1,118	455	329	11	1	-	4	1 1	1	2	4	1	1 6	2	Т	1	- 1	L 5	5	5	1 2	1	_	т	- 3	2	2	2		- 1	T	-	5	T 2	2 5	14
	Maximum each species	-	-	-	-	-	52	23	- 2	24 1	1 2	16	8	16 2	24	5 72	8	3	4	- 36	45	33	10 21	9	5	-]	2	- :	2 10	11	5		- 15	5	- 0	68	2 15	23	49
	Goring sil	2,066	1,369	1,150	1,150	13	8	-	-	1	8 -	- 12	3	- 1	18	- -	-	1	-		- 4	5	2	4 1	-	- 1	2			3	-			1	-	-	- 5	T	10
	Ant Flat loam	1,942	1,757	1,067	795	47	13	-	-	-			1	4	3	- -	. 2	-	1		- 16	6	3	5 4	-	-	1	- :	1 2	1	-	3 -		. 3	-	1	- 4	8	18
	Gappmayer loam	1,530	1,530	_	-	1	-	-	-	-	- -	- 7	-		-	- -	-	-	-			20	-		-	-	1			1	3		- -		-	68			-
	Hendricks sil	2,300	2,300	1,233	1,000	4	10	1	-	-	- -	- -	-	15	-		-	-	-	- 36	4	3	6 1	5 -	-	-	-	7 .		_	1			. 2	-	-	- 3	3 -	_
	Despain grl	1,593	1,593	-	-	10	39	-	- :	11			-	5	-		-	-	3		- 15	8	- .	- 1	_	-	-			_	-			-	-	18			-
	Hoskins grl	1,438	1,438	1,057	1,057	20	11	-	-	2	9 -	- 2	-	-	3		. 4	1	3	1 -		2	14	2 2	-	- 1	.2	_ .		-	-	1 -		. 11	_	-	- 8	8 6	6
	Henefer loam	_	-	782	782	4	17	-	-	-	- -	-	-	-	-	- 1		-	-		-	-	8		-	-	-			-	-	- 12	2 -	- 12	28	20			-

RANGE YIELD AND COMPOSITION MOUNTAIN LOAM continued

																		S	Speci	es C	Compo	siti	ion (Pero	ent)											
			Total Ann	nual Yield							Gra	sse	S										Forb	s								Shr	ubs		1 1	
Range Condition	Soil Taxonomic Unit		orable ears	Unfavor Year	c	Number of Plots	Wheatgrass			Ricegrass	a Need	188	sscue	in Needlegr.	ii.	Wheatgrass	S	on			u		oot	1	£1	ous sage	po		eberry	Rabbitbrush	r	Goldenrod	rush	ry	agebrush	rush
		High	Average	Average	Low		Western	Tall Na	Dryland Se	Indian I	Columbia	An i	Spike Fe	l G	Squirreltail	Slender	Pussytoes	Penstemo	Tarweed	Aster	Geranium	Lupine	Yarrow Balsamroot	Buckwhea	Little S	herbaceous Peavine	ldenr	Others	Service	Rubber 1	rus	성	Yellowb	Snowber	20	Bitterb
Poor	All soils	2,725	1,912	749	135	217	Т	Т	1	6 1	T	5	T	ГТ	-	-	1 T	Т	Т	ТТ	1	2	T 1	1	1	1 1	_	_	_	- 1	12	2	2	T 1	56	TT
	Max. each species	-	-	-	-	-	7	5	9 8	1 7	8	44	1	5 1	-	- 1	0 1	4	6	4 4	17	20	4 13	20	5 3	3 25	-	_	_	- 25	66	26	6	5 18	93	1 10
	Picayune cobl	-	-	819	135	51	-	-	- 2	0 1	_	5	-	- -	1	5 .		-	T		-	Т	T -	2	-	3 -		-	_	_	10	-	_	_	49	- 1
	Goring sil	1,660	1,660	1,165	1,165	12	-	-	- 1	8 -	3	-	-	1 -	-	_ .	- -	-	1	T 1	15	1	1 -	-	-			-	-	4 -	-	-	1	_	55	
	Ant Flat loam	-	-	1,052	1,052	4	-	-	- 1	4 -	-	-	-		-		- -	-	2		-	-	6 13	3	-		- -	_	-		-	-	6	_	54	
	Henefer loam	1,732	1,732	663	430	22	-	-	-	т -	-	1	-	- -	2	3 .	- -	-	-	2 -	-	-	- 3	-	2	- 4	2	_	_	- T	22	-	_	- 5	53	- T
	Broadhead loam	-	-	455	340	2	-	-	-		-	-	_	- 32	-		- -	-	-		-	-		-	3			3	12	_ _	_	_	_	- 51	_	
	Yardley loam	2,080	1,688	549	511	61	-	-	T	т -	-	11		- -	-	-	3 -	-	-	- T	_	2		-	_			_	_	_ T	_	8	5	_	68	
	Cunningham loam	2,725	2,609	-	-	12	-	-	_	- -	-	-			-		- -	-	-		_	3		-	-		- -	1	_	_ _	_	_	4	_ _	92	
	Maple mountain loam	-	-	1,066	1,066	10	-	-	-	1 -	-	1	- -		-	1 -	- 1	-	-	- 1	-	-		-	-		- -	-	-		-	-	1		91	

Mountain Loam Range Site



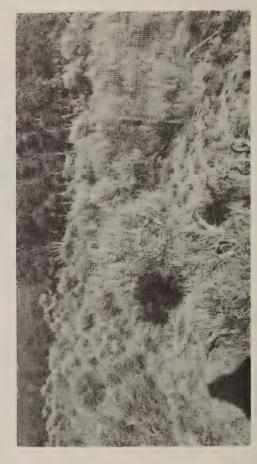
MOUNTAIN LOAM RANGE SITE



EXCELLENT CONDITION



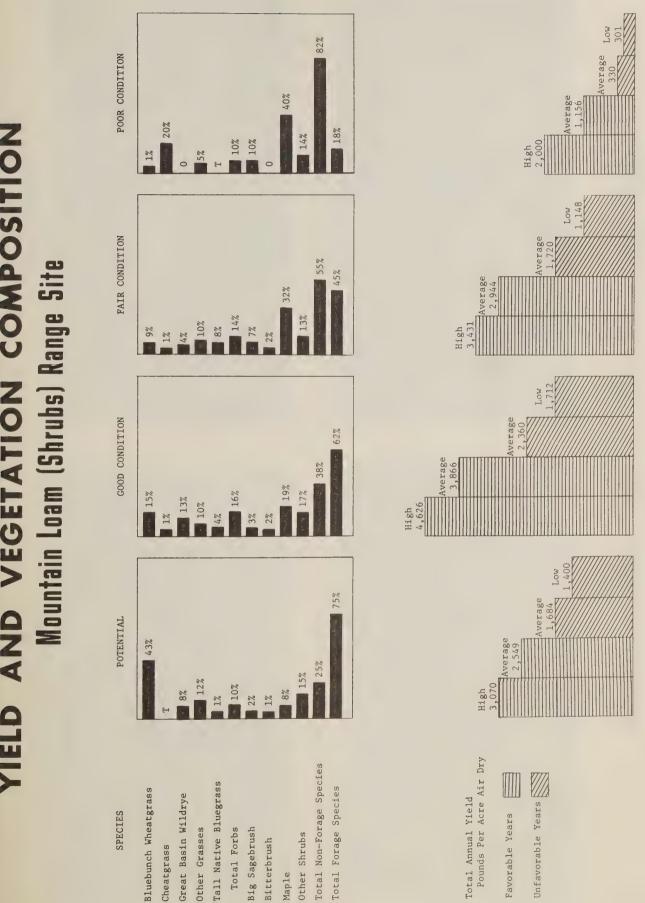
GOOD CONDITION



POOR CONDITION

		usnı	Kellowb	2	6	1	1	1	Н	3	1	5	7	1		9	I	9	4	ı	1	1	1	ı	1
			Maple	00	14	12	10	12	12	1	19	41	25	26	32	65	10	1	44	47	59	40	65	16	65
		eprush	Bag Sag	7	7	F	1	<u>ش</u>	9	2	3	12 /	2	9	7	24 6	1	15	6	13 /	1	10 7	24 (1	22
	Shrubs	rλ	Suowber	7	12	1	-1	1	H	5	3	22	2	ı	4	15	1	12	Ч	- 1	- 1	5	30	9	1
	Shr	perry	Service	Н	7	ı	-1	ı	ı	Н	ı	1	1	ı	2	43	1	H	П	E-I	1	1	1	1	1
		ч	Oskbrus	00	72	1	1	1	ı	ı	2	48	- 1	ŀ	ı	1	1	1	1	1	1	1	ŀ	1	1
		rush	Bitterb	Н	-1	9	ı	ı	7	~	7	11 /	5	ı	2	14	1	1	1	ı	7	1	ı	1	1
		,	Огрета	7	7	1	ı	2	1	1	00	00	П	1	3	4	1	16	7	Н	4	6	10	14	2
nt)		100	Balsamr	- I	1	ı	ı	T	1	ı	Н	3	2	ı	Н	4	ı	1	E-4	1	7	ı	1	1	1
(Percent)		рә	Stonese	1	1	2	1	- 1	-1	1	1	ı	1	ŀ	-1	1	ł	ı	1	ı	1	1	ı	ı	1
(Pe			Daisy	-	7	1	1	-1	ı	ı	ı	1	1	ı	Н	5	ı	1	1	1	ı	ı	1	1	ı
	co.	r Dock	Mulesea		7	1	ı	7	1	Н	4	30	4	1	4	33	33	ı	-1	1	2	I	ı	ŀ	ı
iti	Forbs		Peavine	-1	2	1	1	ı	1	2	ı	1	- 1	ı	- 1	1	1	1	1	ı	1	- 1	1	- 1	1
sod	됸		Yarrow	-	7	1	1	Н	Н	-	Н	4	7	7	7	4	1	-	Н	2	ı	⊱	Н	٦	⊢
Com			Lupine	Н	4	ı	1	1	1	-	1	1	I	ı	П	4	ı	1	1	t	1	1	1	1	ı
ss (Sunflower	Little :	3	14	1	9	ı	1	14	ı	1	ı	1	ı	1	ł	ı	ı	ı	1	ı	ı	ı	1
Species Composition			Others	7	9	1	I		П	4]	10	10	2	-	9	7	9	4	5	2	2	10	21	21	
Spe		Sedge	Dryland	1	1	ı	1	ı	ı	ı	-	1	ı	ı	<u>ش</u> .	81	ı		00	1	1	1	1	- 2	1
		Wheatgrass	Bearded	7	40	1	ı	ı	1	ı	4	38	ı	1	-	6 1	1	-	ı	1	1	1	1	1	1
		Wheatgrass		-	10 4	1	1	1	ŀ	1	Н	9	ı	-1	4	17	17	I	1	ı	1	E-1	7	1	1
	8	asin Wildrye		00	35 1	1	2	17	22	ı	13	53	13	40	4	20 1	1	20	ı	9	1	1	1	1	1
	Grasses		Огрега	5	20 3	1	25		1	-	5 1	7 5	-	1 4		2 2	1	- 2	7	1	4	-2	50	1	1
	Gre	SSE	Cheatgra	H	1 2	- 1	- 2	I	1	1	П	10	2	Н	Н	3	1	1	1		2	20	34 2	34	00
		tive Bluegr.	Tall Nat	П	3	ı	1	2	m	ı	4	22 1	10	-	00	34	34	1	7	00	4	T 2	00	00	1
		Junegrass	Prairie	7	00	ı	1	3	2	H	ı	1	-	Н	Н	5	1	1	1	2	2	1	1	ı	1
		ch Wheatgr.	ВІперпи	43	71	80	94	99	77	79	15	36	22	20	6	22	1	00	10	16	14		15	1	7
-		H																							
		Number of Plots		95	ı	2	20	30	10	10	105	I	1	ŀ	90	1	10	10	10	20	20	24	1	10	11
			3	00			00			65	12		51		84		48	63	52			301		301	
		b le	Low	1,40	-	ŧ	1,40	- 1	I	1,56	1,71	1	2,45	1	1,14	- 1	1,14	1,56	2,25		1	3	1	(1)	1
	11	Unfavorable	e e														~					0			
	Yie	ıfav Ye	rag	1,684	1	ı	1,550	1	1	1,565	2,360	1	2,603	1	1,720	ı	1,148	1,563	2,252	ŧ	1	330	1	301	1
	al	Un	Average	1,			1,			1,	2,		2,		1,		1,	Τ,	2,						
	Total Annual Yield					10			7		10		10		.+					0	0	,0			00
	1 A	o,	Average	2,549	ı	2,595	ı	2,507	2,467	1	3,866	1	3,545	4,110	2,944	ı	ı	1	1	3,218	2,670	1,156	1	1	1,208
	ota	abl	Ave	2,		2,		2,	2,		3		3	4	2					3	2	П			-
	H	Favorable		0,		35		17	57		97		89	97	31					31	57	00			00
		E	High	3,070	- 1	2,595	-1	2,917	2,467	- 1	4,626	E	4,089	4,626	3,431	I	1	I	-1	3,431	2,857	2,000	1	I	2,000
			H	(1)	10	- (4		.4			7	CO.	4	4		S							S		
		4			Maximum each species							Maximum each species				Maximum each species							Maximum each species		
		Soil Taxonomic Unit			spec							spe				spe							spe		
		11 c			sh s		田田					ch s				ch				1			ch		
		поп			eac		108	11	sicl			ead	11	sic.		ea	11	am	11	sic	11		ea	аш	sil
		ажо		18	HT.		en	Si	S S	Н	118	mne	S	ra s	118	mnu	S	10	S	ta	S	118	mum	10	S
		1 T		soi	xim	no	Dus	nss	att	ts	soi	axin	ns	lati	SOI	axir	ske	rts	ing	lat	fus	80	axi	rts	fus
		Soi		All soils	Ma	Mendon	Van Dusen loam	Barfuss sil	LaPlatta sicl	Smarts 1	All soils	Ma	Barfuss sil	LaPlatta sicl	All soils	Má	Nebeker sil	Smarts loam	Elzinga sil	LaPlatta sicl	Barfuss sil	All soils	M	Smarts loam	Barfuss
						Σ	>	B		S	Ø.		Н	pred	4		K-I	93				7			
		ion		Excellent																					
		Range Condition		e11							pq				H							or			
		Con		Exc							Good				Fair							Poor			
1																									

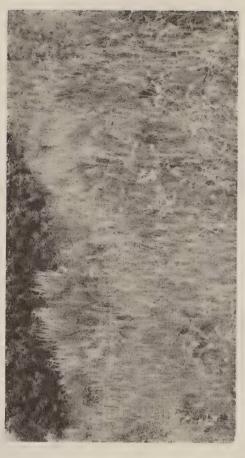




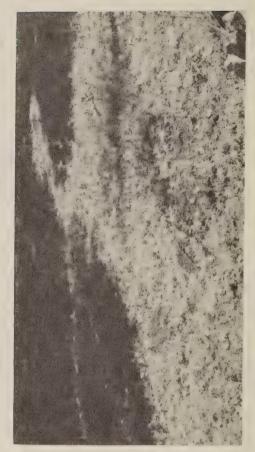
MOUNTAIN LOAM (NORTH SLOPES) RANGE SITE



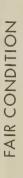
EXCELLENT CONDITION



GOOD CONDITION



POOR CONDITION

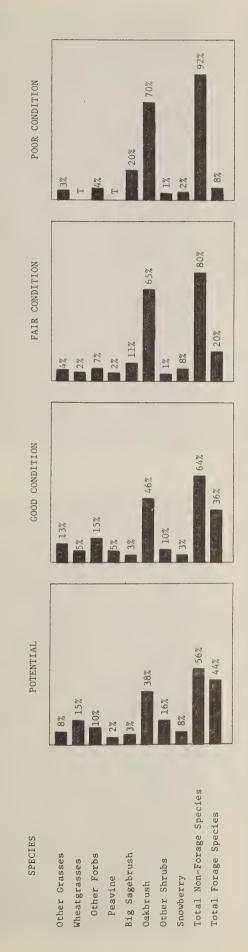


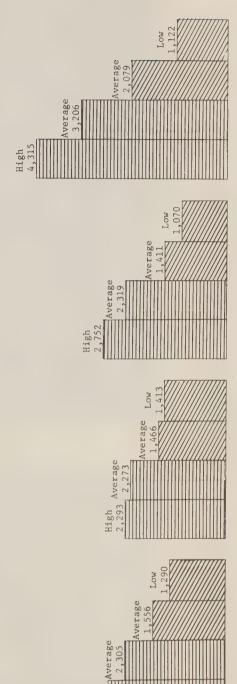
RANGE YIELD AND COMPOSITION MOUNTAIN LOAM (OAK)

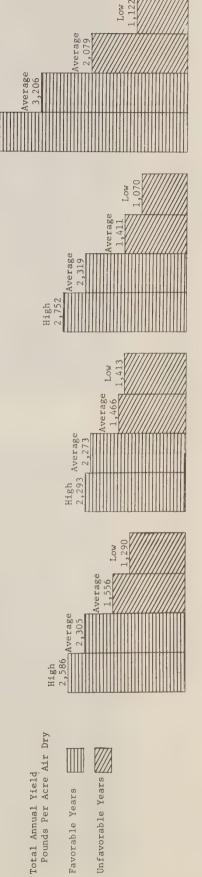
-							Ţ												Spec	ies	Compo	siti	on (F	erce	nt)													
			Total Ann	ual Yield	l						Gı	asses	3									Forl	s					T				5	Shrul	bs				
Range Condition	Soil Taxonomic Unit		erable ears	Unfavor Year		Number of Plots	nch Wheatgr.	Whea	Native Bluegr.	eatgrass	y Bluegrass	Sedge	ldrye	Wheatgrass	Mountain Brome Kings Fescue	a Needlegr.	an Needlegr.	and Tames		od			at			Dock	pa		11.00	berry	ľ	ebrush	ry at	ısh		lack Sagebrush	ple	ine
		High	Average	Average	Low		ebu	Western		Cheatgra	Kentuck	Dryland Slender	Blue Wi	Bearded	Mountain Kings F	Columbi	Letterm	Meadowrue	Phlox	enr	ne	Daisy	Buckwheat	Yarrow	Others	Mulesear	Stickseed	Ninebar	Maple	Serviceberry	Oakbrush	Big Sage	Snowberry	Horsebrush	Gilia	Black S	Squawap	Pinon P
Excellent	All soils	2,586	2,305	1,556	1,290	52	3	1 1	1	1 1	Т	T! 2	2	9	1 1	Т	Т		т	1 2	1	2 2	т	1 T	Т	1	1 7		6		39	3	8 7	гт	1	1	2 1	T
	Maximum each species	_	-	_	_	_		3 2		3 3	1	1 10	9	40	4 4	1	1 .	_	1	4 11	4	9 7	1	3 1	2	5	2 3	3 -	32 1	1 8	72	8	L3 2	2 2	29 2	23	9]	2
	Henefer loam	_		1,475	1,475	2	72				_	_ _		_		_	_	_	_	1 -	_		_		_	_	_ _		_		_	_		- 2	29 2	23	6 -	-
	Picayune gravl	2,586	2,586	1,290	1,290	20	T	_	1	_ T	_	1 T	4	2	2 2	_	-	_	_	2 -	Т	1 -	_	- T	1	2	1 2	-	16	6 I	42	4	LO 1	1 -	_	_		_
Good	All soils	2,293	2,273	1,466	1,413	33	1	_ _	2	T T	4	4 4	T	_	2 1	T	_	1 3	_	1 2	1	5 -	_	1 T	1	_	1 -	- 2	_	1 6	48	1	3 -		_	_	- 1	-
	Maximum each species	_	-	-	_	_	36		8	1 1	8	7 9	1	-	6 2	1	-	2 7	_	4 7	2 1	2 -	-	3 1	4	_	2 -	. 7	_	2 10	58	2	8 -		-	-	_ 2	-
	Broadhead vstl	2,210	2,210	-	_	1	36		_		-		-	-	- -	_	_		_		_		_	_ _	_	_			_		45	19			-	-		-
Fair	All soils	2,752	2,319	1,411	1,070	60	2		1	r 1	1	1 T	-	Т	TT	-	- 7	T -	-	1 -	1	2 -	T	T 1	2	2		-	_	_ _	64	10	7 -	- -	-	-	1 -	-
	Maximum each species	-	_	-	-	-	27	- -	10	2 2	15	5 1		1	1 1	-	-	3 -	-	6 -	5	5 -	1	1 2	. 2	10		. _	-	_	83	43 2	28 -	- -	-	-	3 -	-
	Henefer loam	1,990	1,990	1,480	1,480	2	-		5		15	- T	-	-		-	-	- -	-				-		-	-	- -	. _	-	2 6	65	-		- -	-	-	6 -	-
	Cunningham loam	2,752	2,752	-	_	10	-	- -	-	- 2	-	- 1	-	-		-	-		-		1 .		-		T	-	- -	-	-	- -	43	43	3 -		-	- 1	2 -	-
	Deer Creek vstl	-	-	1,535	1,358	20	1	- -	2	1 1	2	2 -	-	-	- -	-			-		T	3 -	-	- 1	3	-	- -	-	-	_ _	82	2			-	- 1	2 -	-
	Picayune gravl	2,055	2,055	-	-	10	-	- -	_	- -	-	- -	-	1	- 1		-	- -	-	6 -	- 1	5 -	1	- 1	4	LO	- -	-	-	- -	33	7 2	28 -		-	-		_
	Gappmayer gravl	2,310	2,310	-	_	1	-		T ·	- -	-	5 -	-	1		-	-	- -	-		19	1 -	-	- -	7	3	- -	- -	-		56	-	8 -		-	- -		-
Poor	All soils	4,315	3,206	2,079	1,122	198	T	TT	T	- 3	T	TT	-	-	T -	-	T ?	r -	T		1 7	r - 1	T	- T	3	-			-	TI	68	20	2 -		-	-	1 -	-
	Maximum each species	-	-	-	-	-	8	r 7	2	- 12	3	12 9	-	-	1 -	-	1	1 -	2		5 (5 -	3	- 3	5	_	- -	-	-	7 4	100	43	L7 -	- -	-	- 1	6 -	-
ļ	Henefer loam	-	-	1,435	1,122	6	6		-	- 1	-		-	-	- -	-	- .	- -	-	1 -	-	- T	-	- -	5	-	- -		-		70	- 2	15 -	- -	-	-		-
	Maple mountain loam	4,315	3,230	2,478	2,137	44	-		-	- 4	-		-	-		-		- -	-	- -	1 .		1		8	-	- -	- -	-		62	22	1 -	-	-	-		-
	Yardley grav loam	3,652	3,160	2,329	2,273	72	-	ТТ	T ·	- 5	-	TT	-	-	- -	-	-		-		2 .		-		-	-		-	-		63	28	1 -		-	-		-



Mountain Loam (Oak) Range Site







POOR CONDITION

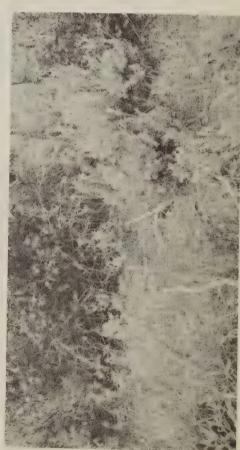
MOUNTAIN LOAM COAKBRUSH) RANGE SITE



GOOD CONDITION



EXCELLENT CONDITION



FAIR CONDITION

RANGE YIELD AND COMPOSITION MOUNTAIN LOAM (PONDEROSA PINE)

																			Spe	ecie	s Co	ompo	siti	.on	(Pei	rcen	t)								
			Total Ann	ual Yield	l					(Gras	ses										For	bs									Shr	ıbs		
Range Condition	Soil Taxonomic Unit	l .	rable	Unfavor Year		Number of Plots		n Wheatgrass	ive B1	Вгоп	n Muhly	Riceg	Sedge an Needlegr.	ltail	ass	a Nee	Sunflower	snd	Paintb rus h.	d Thistle		tha	ous Sage]	ıctylon	es	emon	peq	pa	rry	t. Red Jun.	iceberry	Sagebrush	rush	rush sa Pine
		High	Average	Average	Low		air	Western		Nodding		Indian	Dryland	Squirre	Cheatgr	Columbia	Little ?	Aplopappus	Indian	Drummond	Yarrow	Cryptantha	Herbaceous	Loco	Leptodacty	Pussytoes	Penster	Stickseed	Snakeweed	Gooseberry	Rocky M	Service	Big Sag	\vdash	Bitterbrush Ponderosa P
Excellent	All soils	1,454	1,434	1,039	960	70	3	2	4 3	1	1	T	3 3		1	Т	1	T T	T	1	Т	1	1 1	1	1	2	Т	1	2 1	2	1	1	3 3	1	3 49
	Maximum each species	_	_	-	_	-	6	12	7 5	2	2	1 1	LO :	2 5	4	1	4	1 2	2 1	1	1	3	1 1	2	4	6	1	2	3 2	10	2	2 2	9 11	. 5	14 59
			,																																

RANGE YIELD AND COMPOSITION MOUNTAIN LOAM (SUMMER PRECIPITATION)

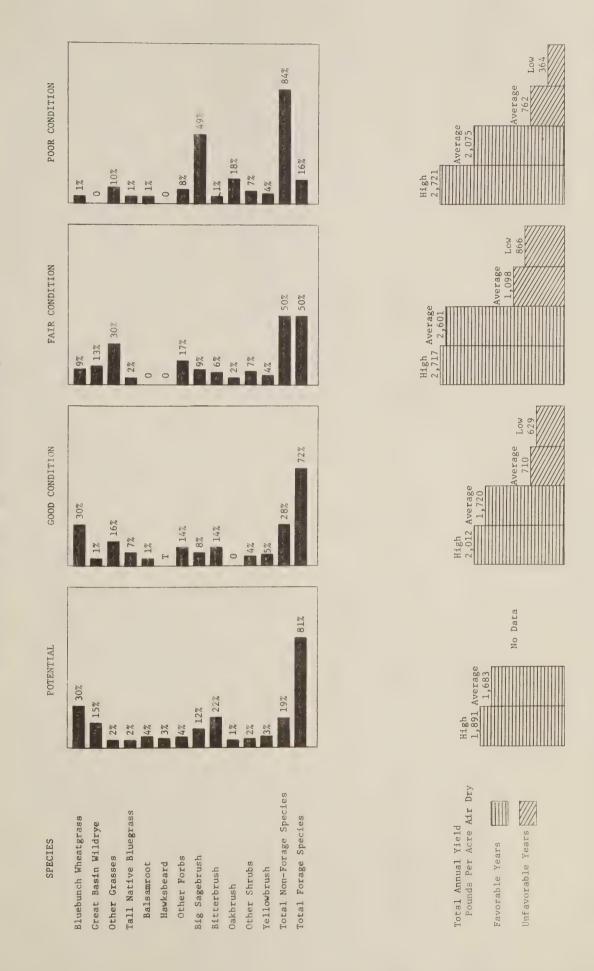
																				Spec	cies	Comp	posit	ion	(Per	cent	 t)												
			Total Ann	nual Yield								Gras	ses													Fort	os									Sh	rubs	;	
Range Condition	Soil Taxonomic Unit		orable ears	Unfavor Year		Number of Plots	ा च	Wheatgrass	Junegrass tive Bluegr.	tail		Sedge	Ricegrass	Wheat	ıma	Brome	Need1			ous Sage		Daisy	Fireweed		at			tylon	lant			Llow	n	· ·	AT .	nsh	ısh	gebrush	nsh
		High	Average	Average	Low		Needlear	Western	Tall Nat	uirr	tterm	Dryland	an	Bluebunch	Blue Gra	Nodding	Columbia	Slender W	Lotus	erbace	Aster	Trailing Phlox	0	Peavine	Loco	ine	Others	Leptodactylon	Oyster P	Daisy	1e	Globemal	tem	Gilia	Snowberry	Bitterbrush	orsebr	lack	Yellowbr
Excellent	Detra fsl	-	-	1,311	1,311	10	11 2	23 1	7 25	1	Т	1 3	-	-	-		-			2 2	5	2 1	1	3		-				-		- -	-			-	-	- 1	2
Good	All soils	15,540	15,540	784	630	45	14	7	3 15	2	1	1 -	- 1	. 7	Т	8 -	-	-		-	Т	- T		1	1 1	2	4		- -	-	_	- -	-	10 -	- -	2	1 1	.0 -	7
	Maximum each species	-	-	-	-	-	33 2	2.7	5 35	5	5	3 -	1	17	1 3	1 -	-	-	- -		1	- 2	-	3	5 2	8	5		- -	-	-	- -	-	29 -	- -	7	2 2	3 -	22
Fair	All soils	-	-	787	636	30	28	.0	4 8	1	1	1 10) -	-	2	3 3	1	1	т -	- -	2	- T	-	-		2	_	1 1	L 1	6	1	2 1	1	- T	2	2	_	- 5	1
,	Maximum each species	-		-	-	-	41 2	21	5 12	4	3	4 17	-	-	3	8 8	3	4	1 -	-	5	- 1	_	-		4	-	2 2	2 2	11	1	6 4	2	- Т	6	5	-	- 7	2
Poor		-		230	230	1	-	-	-	-	-		-	-	95		-	-		-	-		-	-		-	-		-	-	-		-		-	-	_		-

RANGE YIELD AND COMPOSITION MOUNTAIN SHALLOW LOAM

							,																																					
																					Sp	oecie	s Co	mpos	itíc	n (P	erce	nt)																
			Total Ann	ual Yield					1.		Gra	asses	3	. ,											Forb	s						T T				, , ,			Shru	bs	1			
Range Condition	Soil Taxonomic Unit		orable ears	Unfavor Year		Number of Plots	ch Wheatgr.	tive Bluegr.	asin Wildrye	Junegrass	Wheatgrass	Ricegrass man Needlegr.	neat	Need	Brome	n Brome	ltail		oot	seed	at	1.5	Milkvetch			age	7 - [-0	Sunflower		ard		þ	Dock	Thistle	h	rry	pear	herry	cy cy	ısh	ebrush	at	rush	sh
		High	Average	Average	Low		Bluebun	Tall Na Sandber	Great B	Uneargr	Western	Indian Letterma	Slender W	Columbia	s ou	Mountain	a la	Thistle	Balsamr	Stickse	Buckwhe	1	Timber	Aster	Lupine	Cow Cabbage		Little S	8	Hawksbea	Phlox	Goldenro	ulese	Drummond Oregon G	Oakbrush	lde	Pricklypea Purter Ber	Servicel	Snowber	Horsebru	Big Sage	Buckwhe	Bitterb	Buckbru
Excellent	Maximum each species	_	-		_	_	49	2 2	2 64			-				_	- 3	1	4	3 -	_				_ _					_					_ 1				2	1	18	5 1	52	_
	Curtis Creek loam	1,891	1,683	_	_	30	28	1 1	21		_	_ _	_ _	_	_	_	- 1	T	1 1	1 -	_		-	_	_	_			_	_	_	_	_	_	- T	_	_		- 1	T	12		27	
Good	All soils	2,012	1,720	710	629	91	36	7 -	- 1	6 1	4	_ _			_	_	_ 4	_	1 7	r 6	1	1 -	-	_		_	_		_	_		_	_	_		_	_	1 2	2 1	-		5 I	12	_
	Maximum each species		_	-	_	_	56	35 -	- 6]	6 4	27					-	- 5	-	6 2	2 18	6	5 -	-	_	_ _	_	_	_	_	_	_	_	_	_		-	_	2	4 5	_	20 1	.4 3	3 35	-
	Little Pole v rockyscl	1,488	1,488	-	-	1	-			1 -	-	9 -			- -	_		-			-		-	_		-	_	_	_	_	_	_	-	_		-	34			-	-		- 55	_
	Curtis Creek loam	2,012	1,726	-	-	40	28	4 -	- 2	1 T	-		- -	_		-	- 2	-	2 -	- 1	2	- 1	1	1	1 -	-	-		_	-		-	-	_		-	-	- 1	1 2	-	17	8 1	25	-
Fair	All soils	2,717	2,601	1,098	866	55	11	2 1	15	5 -	15	- 7	1	3	1 1	1	- 2	-			1		-	2	Г 2	1	1		-	-		-	-	-	- 2	1	T	- 2	2 1	-	9	5 3	6	-
	Maximum each species	-	-	-	-	-	29	10 3	57 2	5 -	47	- 21	5	9	4 3	3	- 3	-		- -	2		-	10	1 6	5	4		-	-		-	-	-	- 10	20	2	- 12	2 2	-	15 1	.3 17	7 12	-
	Blood rocky sl	-	-	380	330	2	36		-	0 -	-		-	-	- -	-		-			4		-	34		-	-	2 -	-	-	- -	-	-	-	3 -	-	-		- 2	-	8			-
	Little Pole vstl	1,440	1,440	690	629	3	-	- -	- -	3 -	-	- 6	12	-	-	-	1 -	-			-		-	3	- 4	-	-	- 1	7	1		-	-	-		13	3		- 8	-	9 1	.0 -	- 19	-
	Walsburg	-	-	1,223	1,223	10	10	- 2	- 2	5 -	-		- -	-	4 -	-	- 2	-		- -	1		-	1	- -	5	4		-	-		-	-	-	10	-	-	- 12	2 -	-	12		- 12	-
	Curtis Creek loam	2,717	2,717	1,199	1,199	-	25	T -	40	T -	-		-	T		-	- 1	-		- -	T		-	-	1 -	-	-		-	-	- -	-	-			-	-		- 2	-	12	2 8	3 7	
Poor	All soils	2,721	2,075	762	364	122		1 1		8 -	1	- T	-	- -	- -	-	1 4	-	1 -		1		T	T	- 1	-	-		-	-	1 1	1	7	1	- 14	1	1	1	1 1	-	44	4]	1 1	1
	Maximum each species		-	-	-	-	6	7 2	2 - 2		10	- 2	-	-		-	3 5	- 1	-6	- -	20		1	1	- 3	-	-		-	- 2	5 7	16	58	7	- 56	10	19	3	4 10	-	82 3	19 8	3 2	10
	Agassiz vcobl	2,610		517	340	6		- -			-		-	-	- -	-	- 23	-	2 -	- -	-		-	-	- 1	-	-		-	-	1 -	-	-	-	- 34	-	-	-	- 5	-	5	4 -	- -	-
	Curtis Creek loam	-	-	948	817	11		_ -			11	- T	-	12 -	- -	-	- 2	-		- -	-		1	-	1 -	-	-		-	-	- -	-	-	-		-	-	-	- -	-	35 3	8 -	- -	-
	Baldridge	1,255		779	364	42	-	TI	1 1		-		-	-	- -	-	- 4	-	- -		-		-	-	- 1	-	-		-	-	- T	-	-	-	- 28	-	T	-	1 1	-	53		- -	2
	Walsburg Bear Skin	2,721	2,721 2,565	866 714	866 520	30	T	5 1	- 1	5 -	-		-		- -		- 53 2 -	-		- -	-		-	-		-	-		-	-	-	6	-	4	- 17 		-	2	1 -	-	T 73	- 2	4 2	-



Mountain Shallow Loam Range Site



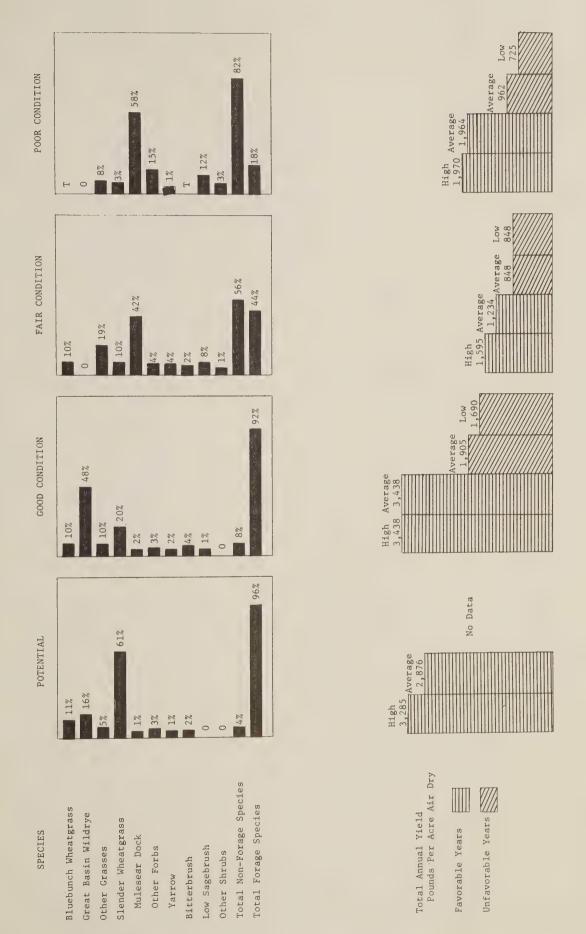
MOUNTAIN SHALLOW LOAM (CURLLEAF MAHOGANY)

1	1	1					
		-		Snowberr	4 2		9
		_		Xellowb ₁		4	
		rbs	Ynsgony		54	62	50
Œ		Shrubs		Oregon (
cen	ן נו	S		Big Sage	1	2	
Composition (Percent)	1	_		Buckbru	1	10	1
				Low Sage	1	1	4
tio	7) o t	Balsamro	1	2	34
osi				Daisy	I	E	
amo		ps		Wild Car	1	H	1
S		Forbs	uc	Penstem	ı	H	1
Species	7			Others	2		
Spe	7			Yarrow	2	H	m
				Hawksbes		1	1
		ses	licegrass		ı	2	1
		Grasses		Kings Fe	\vdash		1
		3	. Mheatgr.	ВІлерипс	34	12	Н
			Number of Plots		10	20	10
			able	Low	I	ı	I
	nol Viold		Unfavorable Years	Average	1	1	ı
	Total Appusl	locar Anim	Favorable Years	Average	2,469	1,826	1,377
	Ĺ		Favoi	High	2,469	1,888	1,377
			Soil Taxonomic Unit		Agassiz rocky sil	Agassiz rocky sil	Agassiz rocky sil
			Range		Excellent	Good	Fair

RANGE YIELD AND COMPOSITION MOUNTAIN STONY CLAY

		1	I							00	7	EH	2	ı
			Bitterbr	7	- 2	4	9	2 5			- 00	7	т С	<u> </u>
	sqı		Big Sage	1	 	-	- 10			3 38			- 4	
	Shrubs		Вискире			-		-						
	S		Low Sage			<u>'</u>			<u>'</u>		<u>'</u>	<u>س</u>	7 15	
		SILY	Срокесре					<u>'</u>	-		4		5 17	H
			Огрега	1	1			1			7	- 17	-	
		300	Balsamro			<u> </u>	10	<u>'</u>	4 22					
			Aster	<u> </u>			- 5		7	-				<u> </u>
	sq.		Tarweed		1		- 5	H .					- 2	<u>'</u>
nt)	Forb		Others		H	1	1	1		 	<u>'</u>			
(Percent)	,		slsunnA		H	H	~						10	
(Pe		роск	Mulesear	4	2	1	٦			- 63	- 48	T 58	74	- 72
no			Lupine		H	E-1			7				- 5	
iti			Yarrow			- 7		<u> </u>	- 2	4	<u>۳</u>		<u>m</u>	2
sod			Idaho Fe		1	1			<u> </u>	1	1		9	<u> </u>
Com		Bluegrass				1	-	1	1		<u> </u>	H		
Species, Composition		Junegrass			1	7	29	- 1	- 14	1		H	2	
eci			Cheatgra	1	1	<u></u>	- 2	E-1			E-1	- 2	· ·	- 2
Sp		Wheatgrass		7		- [1	1		<u></u>	3 2		1	1
	S	Bluegrass 5			H	<u> </u>	E-1		-	4	7 3		9 -	6 2
	Grasses	Wheatgrass		96	19 61	1 20	2	23		- 10		<u>ω</u>	11	
	Gra	.tve Bluegr.		4	<u> </u>	4	16	70	 	<u>'</u>	1	- 5	- 10	9
			Squirrel		H		2	- 5	<u>'</u>					
		stn Wildrye		3 47	1 16	- 48	- 58	- 56		١		- I		
		Needlegr.				<u>'</u>	<u>'</u>		1	<u></u>	2			<u>'</u>
			Ontongra			<u>.</u> س		<u>'</u>	<u>'</u>				- 2	
		n Needlegr.								- 2		E	2	1
		h Wheatgr.	ВТиерипс	34		10	59		57	4	15			
		Number of Plots		1	30	14	ı	12	2	1	15	99	ı	20
		lb1e	Low	1	ı	1,690	ı	2,005	1,690	1	848	725	1	972
	Total Annual Yield	Unfavorable	Average	I	1	1,905	ı	2,005	1,805	ı	848	962	ı	1,106
	nua	D	e A											
	tal An	Favorable Years	High Average	1	2,876	3,438	ı	3,438	ł	ı	1,234	1,964	ı	ı
	To	Favo	High	ı	3,285	3,438	ı	3,438	1	ı	1,595	1,970	ı	1
		Soil Taxonomic Unit		Maximum each species	Yeates Hollow ext st sicl 3,285	All soils	Maximum each species	Yeates Hollow ext st sicl 3,438	Hiibner ext st cl	Maximum each species	Yeates Hollow ext st sicl 1,595	All soils	Maximum each species	Yeates Hollow ext st sicl
		Range		Excellent		Good				Fair		Poor		

Mountain Stony Clay Range Site



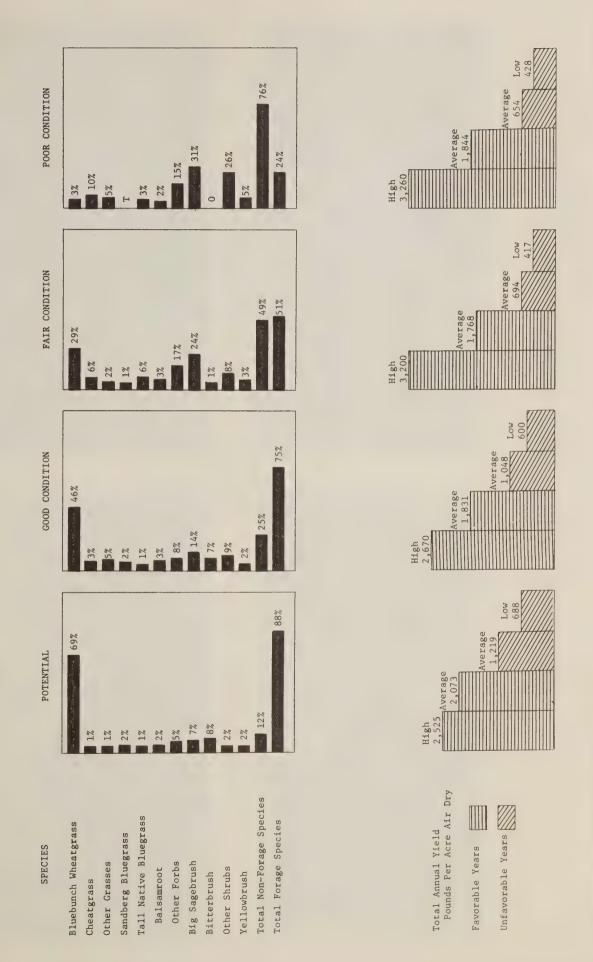


RANCE YIELD AND COMPOSITION
MOUNTAIN STONY LOAM

		Rabbitthrush		1	1	-	1	 	1	1	1	1	1	1	1	1	1	-	- 16	1	- 7	1	1	1
			Service	- 1	7			1	- 0	n n	<u>س</u>	- 60	- I	1		- 2	m	- 2	- 4	1	1	H		
			Big Sage	7	50 27	- 27	40 12		24 10	13	1	- 13	7 14	21 39	7 20		2 28	- 12	13 7	1 14	- 1	10 26		- 11
			Yellowbi	7	5	· 	7	1	- 2		<u>ر</u>	m		15 2	Н		-2 12	1	1 8	4 11		4 10	Ę-	
			Snowberr	-	00	-	- 2	1	F	⊣	1	00		17 1	H	9				- 2		7	-	17
	Shrubs		Вискире	₽	7	1	-	1		1	[-1	ī	-	10 1	H	1	1	1	- 1	7		1	i	-
	Shi		Ногверти		1		1	1	1	- 1	1	1	1			1	1	i	1	1	- 1		í	1
			тогиа	red	12	ŀ	1	1	1	1	2	1	F	1	1	1	1	1	1	1	1		- 1	ı
			Juniper	1	F	1	1	I	I	i	ī	2	7	37	1	1	1	1	i	1	1	- 1	36	7
		YnagodaM li	Birchles	1	1	1	ı	- 1	ı	i	ī	42	~	23	- 1	21	- 1	1	1	1	- (1	1	23
		pa	Snakewee	1	T	- 1	ı	- 1	1	- 1	- 1	H		- 1	ı	1	-	ī	1	- 1	ŧ	ı	1	1
		rape	Oregon C	1	1	1	- 1	- 1	- 1	I	i	ì	H	00	ī	00	1	- 1	- 1	H	1	Í	- 1	1
		ELLY	Срокесре	1	1	ī	ī	T	- 1	i	- 1	ı	T	- 1	1	2	1	1	Í	1	1	1	ı	- 1
		sn	Astragal	- 1	- 1	Í	i	Ī	ı	F	- 1	ŀ	Ĭ	- 1	1	2	- 1	1	- 1	ì	- 1	- 1	- 1	1
		agas au	Нетрасес	1	1	Ī	ı	ŀ	- 1	1	1	i	-	00	3	ı	1	1	- 1	i	E	-		- 1
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		Wheatgrass		H	- 4	1	-		1		L	1	1	1		1	1	1	1	1	1	1	1	1
	co.	Bluegrass		H	7	E	1	1	1		1	- 2		1	-	1	1	-	-	1	1	-	1	- 7
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		ble	Low	9	1	1,000	1,648	1	1,574	9	7	9	9	1	6	9	1,211	1,000	1	-1	-1	1,137	1,285	7
	1d	Unfavorable Years	9																					
	Yie	fav	Average	1,219	L	1,000	1,648	1	1,574	1,224	1,211	688	1,048	1	1,229	009	1,211	1,250	1	3	-	1,137	1,382	742
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	Total Annual Yield																			_	_	_		
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		axonomic Un		ls	num eac	loam	y's v	r cot	cobl	Holl sil	tobl	,,	118	o mnu	Holl roc	soils	cobl	ers ex	ks ex	ry's	er co	Creek	cobl	ų.
		1 Taxonomic Un		soils	ximum eac	ay loam	Mary's v	yler cob	in cobl	cky sil	d cobl	ant	soils	aximum e	tes Holl ext roc	sal soils	kin cobl	asters ex	rocks ex	Mary's	wyler co	ep Creek	ad cobl	zant
		Soil Taxonomic Unit		11 soils	Maximum each species	aPray loam	t. Mary's v	atwyler col	loskin cobl	eates Hollow ext rocky sil & cob	lroad cobl	izzant	111 soils	Maximum each species	Veates Hollow & ext rocky	futual soils	Yoskin cobl	DeMasters ex	Horrocks ex	St. Mary's	Datwyler co	Sheep Creek	Broad cobl	Lizzant
				All soils	Maximum eac	LaPray loam	St. Mary's vfsl	Datwyler cob sicl	Hoskin cobl	Yeates Hollow ext rocky sil & cob	Broad cobl	Lizzant	All soils	Maximum e	Yeates Hollow cob	Mutual soils	Hoskin cobl	DeMasters ext stl	Horrocks ext stl	St. Mary's vfsl	Datwyler cob sicl	Sheep Creek cobl	Broad cobl	Lizzant
					Maximum eac	LaPray loam	St. Mary's v	Datwyler cob	Hoskin cobl	Yeates Holl rocky sil	Broad cobl	Lizzant	All soils	Maximum e	Yeates Holl	Mutual soils	Hoskin cobl	DeMasters ex	Horrocks ex	St. Mary's	Datwyler co	Sheep Creek	Broad cobl	Lizzant
		Range Soil Taxonomic Un		Excellent All soils	Maximum eac	LaPray loam	St. Mary's v	Datwyler coh	Hoskin cobl	Yeates Holl rocky sil	Broad cobl	Lizzant	Good All soils	Maximum e	Yeates Holl	Mutual soils	Hoskin cobl	DeMasters ex	Horrocks ex	St. Mary's	Datwyler co	Sheep Creek	Broad cobl	Lizzant



Mountain Stony Loam Range Site



MOUNTAIN STONY LOAM RANGE SITE



EXCELLENT CONDITION



GOOD CONDITION



POOR CONDITION

FAIR CONDITION

RANGE YIELD AND COMPOSITION MOUNTAIN STONY LOAM continued

																			Sp	ecies	Con	nposi	tion	n (P	ercei	nt)												
			Total Ann	ual Yield						C-+ -													rbs											Shr	ubs			
			10001					T		Gra	sses			T W	-	T-													T			>						
Range Condition	Soil Taxonomic Unit		erable ears	Unfavor Year		Number of Plots	ch Wheatgr.	uegras	ltail ass	Fescue		y Bluegrass an Needlegr	andthread	Basin Wildrye	1 0	Toadflax		ard			sous Sage	Dock	Faintbrush	pee		Plant		ot Tot	Gumw	erus	eed	eaf Mahogany	herry	rry	leat	Sageorusii	wbrush	agebrush
		High	Average	Average	Low		Bluebunch Tall Nat	Sandber	Squirre	0	Prairie	Kentucky E Letterman	le l	eat	Dryland Stickse	as	Lupine	Hawksbe	ais	Others	Herbaceous	Mulesear	Buckwhe	nes	Annual:	Oyster	Aster	Balsamro	Curlyc	Cymopt	Snakew Low Sa	Birchl	Chokec	Snowbe	Buckwh	Dakbru	e110	Big Sa Bitter
Fair	All soils	3,200	1,768	694	417	76	27	5 1	Т	6 1	1				_	- 1	T	T 1	. 1	8 1	1	1	T	т	1	T 2	2 T	3		-	- 2	T	T 1	2	Т	т 3	3 2	.4 1
	Maximum each species	_	_	_		_	68 2	4 5	1 3	0 7	4	_ -	- -	- -	_ .	_ 5	4	2 3	6	8 11	4	18	3	3 4	11	5 1:	3 3	15	_	-	- 12	16	8 25	8	2	6 14	11 6	3 17
	Burgi stony 1	_	_	535	417	2	5	5 -	_		5	_ -		- -	_ .	_	-		. _			-	2	2 -	-	- 2	2 2	_		-		8	4 37	18	-		8	2 -
	Sheep Creek cob1	1,650	1,650	_	_	10	22 1	5 -	_		-	_ -	- -	- -	-	1 -	-	- -		_ 1	L -	-	-		-	- -	- -	15		-		-		- -	-		- 2	6 -
	Manila stony 1	1,630		_	_	1	_	_	_		-	_ -	- -	- -	_	_ _	-	- 12	-	_ -		-	-		-	- -		_	- -	-		-		- 11	-	- 53	- 2	4 -
Poor	All soils	3,260		654	428	40	3	3 T	1 1	0 -	-	1 1	1 1		T .	_ _	1		- -	4 -		-	- '	TT	1	- .	- 1	2	1 7	-	3 -	. 1	1 -	- 2	-	- 19	5 3	31 -
	Maximum each species		_	_	_	_	21 1	4 1	10 4	1 -	-	14	4 4	4 2	4	- -	26			5 -		-	-	1 8	32	- .	- 5	39	4 28	- :	13	- 20	9 -	- 13	-	- 96	11 8	31 -
	Yeates Hollow cobl	1,488	1,488	_	_	10	1	_ T	- 3	0 -	-		- -	- 2	-	- -	-			6 -	- -	-	-		-	- .		-	- 28	- :	13			- 1	-	- -	11	8 -
	Sheep Creek cobl	-	-	920	920	1	14	-	-		-	-	- -	- -	-	- -	-	- -	- -	- :	3 -	-	-	- -	-	-	- -	33	- -	18	-	- -		- -	-		32	

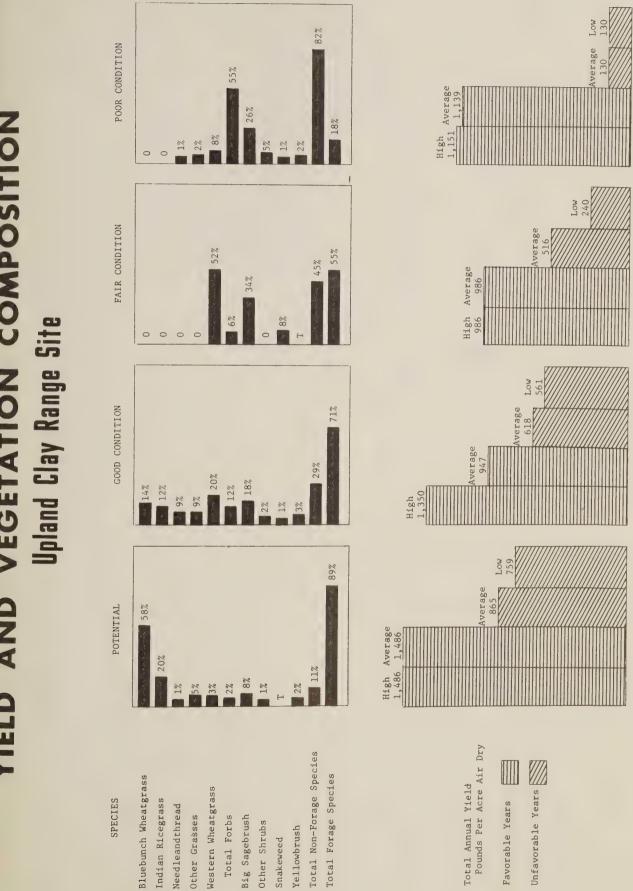
RANGE YIELD AND COMPOSITION MOUNTAIN STONY LOAM (SUMMER PRECIPITATION)

																Spe	ecie	s C	ompo	sit	ion	(Pe	rce	nt)									
			Cotal Ann	nual Yiel	ld						Gra	asse	s								I	orb	s						SI	hrub	s		
Range Condition	il Taxonomic Unit		orable ears	Unfavoi Yeai		Number of Plots	Ricegrass	Junegrass	Bluegrass	Sedge	Needleandthread	n Brome	Grama	Brome		j.		×			on	Paintbrush	at	Gilia		es	h	nsh	rush	ry	at	rush	Sagebrush
		High	Average	Average	Low		Indian	Prairie	Nevada	Dryland	Needlea	Mountain	Western Blue Gra		Sandberg	Kentucky	Daisy	Toadflax	Loco	Flax	Penstemon	Indian	Buckwheat	Scarlet	Vetch	Pussytoes	Oakbrush	Horsebrush	Yellowbrush	Snowberry	Buckwheat	1.3	Big Sag
Excellent		-	_	1,202	1,202	10	1	1 2	16	2	1	27	4	-	_		1	2	1	2	2 -					-		-	8	4	1	18	7
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Fair		-		799	799	10	_	3 2	8		1	-	-	-	4 1	5	-	1	-	-	T 2	4	-	Т	6	5	4 2	2 3	_	6	-	8	36

RANGE YIELD AND COMPOSITION UPLAND CLAY

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			Mat Loco	1	- 1	- 1	ı	- 1	1	- 1	1	1	1	- 1	1		
		Wheatgrass	Slender	1	1	- 1	1	- 1		- 1	1	- 1		- 1	ı		
			Sand Dro	1	1	- 1	-	5	1	1		1	- 1		ı	- 1	I
		ive Bluegr.		Н	2	-		-6	-2	2	1	1			1		i
		Bluegrass		-	r	Н	⊢	~	-	1	1	- 1		- 1	1	p-st	2
	e s	Needlegr.		Н	5	-	ı	1	1	- 1	1	1	1	- 1	- 1	1	1
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			Squirrel	H	-	⊣	ω	16 3	E	-	E	1	- 1	- 1	- 1		1
			Cheatgra	2	m	2	4	17 1	H	1	1	- 1			1	E	2
	-	icegrass		20	-5	0	.2	4 1	33	9	E	1	1	1		+	1
		h Wheatgr.		60 2	75 4	60 2	14 1	68 7	53 3	92	1	- (1	- 1	· · ·	1	1
				9	7	9	-	9	-5	6							
		Number of Plots		40	1	04	58	1	14	1	10	21	-	10	10	17	F
		Num		4		4	Ŋ		7		1	2		1	П	1	
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	lotal Annual Yield																
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	ora	Favorable	Average	1,4		1,4	-	,	1,(20	01	01		01	1	1,1	
E	7	vorab		~		9	0		0	0	~	10		.0			
		F B	High	1,486	1	1,486	1,350	1	1,350	880	973	986	1	986	1	1,151	1
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		1 T.		soi	Maximum each species	ii	soi.	Maximum each species	ni :	ire	r c.	soi	Maximum each species	C	ni :	Soi	Maximum each species
		Soil Taxonomic Unit		All soils	Max	Moroni sicl	All soils	Маз	Moroni sic	McGuire	Mower cl	All soils	Man	Mower cl	Moroni sicl	All soils	Max
						M	A		M	ŭ	ŭ	A		M	M	A	
		ion		ent													
		Range Condition		Excellent			P					H				н	
		Ronc		ZXC			Good					Fair				Poor	
							-					-					





RANGE YIELD AND COMPOSITION UPLAND CLAY (SUMMER PRECIPITATION)

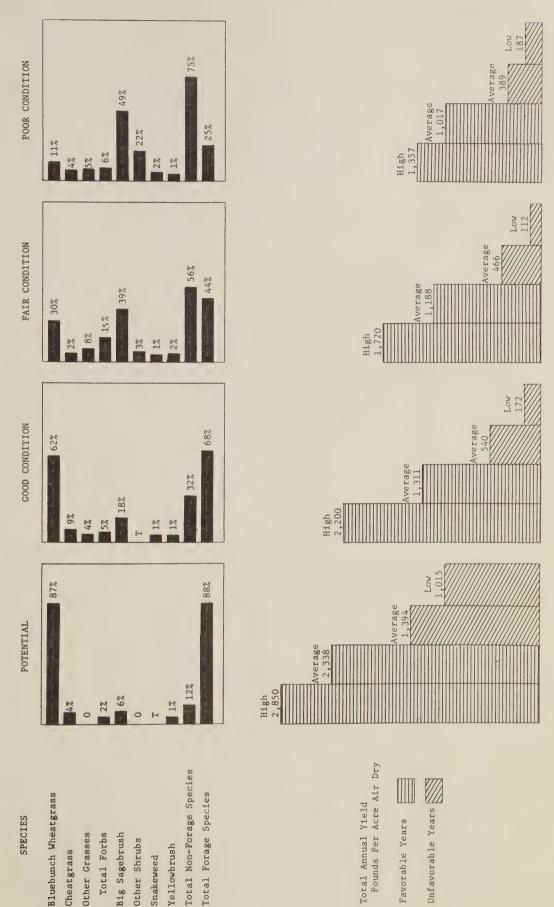
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	(t)	Ø		rush	Kellowb	-		1
	(Percent)	Shrubs		at	Winterf	7		∞
	Per	Sh		рә	Snakewe	-		7 .
				at	Вискиће		. <u> </u>	14
	tio	Forbs		Thistle	Russian			7
	Composition	된		at	вискире	, ,		7
	omp				Galleta			15
		Grasses		ltail	Squirre			H
	Species	ras		ndthread		O		1
	Spe	g		Ricegrass		7.0		10
			S	Wheatgrass	Slender	7,2	,	36
				Number of Plots		C	2	10
				able s	Low	г С.) }	285
		ual Yield		Unfavorable Years	Average	и ?		285
		Total Annual Yield		Favorable Years	Average			ı
				Favo	High		ı	1
				Soil Taxonomic Unit				
				Range		7 0 1		Good

RANCE YIELD AND COMPOSITION UPLAND GRAVELLY LOAM

		orusn	Big Sage	9	14	18	70	51	38	70	29	68	47	92	29
			Xellowbr	н	4 1	-	4 7	77	2 3	12 7	- 9	9	1 4	9	H P
			Snakewee	E	7		9	7		11	Н	E	2	12	1
	S		Bitterbr	1	1	ı	1	ı	Н	26 1	1	ı	1	1	ŧ
	Shrub		Winterfa	1	I	EH	2		1	1	1	ı	ı	ı	1
	Sh	denrod	Rock Gol	1	1	ı	ı	1		9	ı	9	ı	1	1
			БЪТОХ	1	1	1	, 1	- 1		00	ı	00	ı	ı	ı
		gebrush	Black Sa	1	ı	1	1	1	1	ı	ı	- 1	18	93	1
		τ	Oakbrush	ł	1	ı	1	ı	1	ı	I	1	4	33	0
			Annuals	1	1	-1	ı	1	1	1	I	I	2	22	1
nt)			Отрега	ı	1	1	1	- 1	12	20	2	ı	2	00	Н
(Percent)		rrd	Hawksbea	1	1	-	7	1	1	ı	I	- 1	ı	ı	1
(Pe		Į.	Lomattum	1	I		2	1	1	t	1	ı	1	1	1
io i	ro.		Loco	1	ı	-	2	1	ı	1	ı	ı	ı	1	1
siti	Forbs	300	Balsamro	I	1	-	-5	ı	2	50	1	1	H	50	ŀ
Composition	[24		Yarrow	1	ı	-	12	1	i	1	- 1	1	1	1	I
- 1		: Dock	Mulesear	I	1	H	10	1	1	1	1	1		9	1
Species		Jewolland	Little 5	E	2	ı	i	1	Н	4	ı	ı	H	7	1
pec			Varrow	H	<u>~</u>	1	1	1			1	1	H	4	
S		agas auc	Неграсес		4		- 1		1	1	1	11	1	1	2
		l Thistle			9		1		<u> </u>	1		1	1	1	1
		Wheatgrass	Western	1		1	1		1	1	- 1		<u></u>	24	<u> </u>
		ndthread		1	1	-			~	14	1	- 1	-	33	
	ro	%tcegrass		1	- 1	<u> </u>	-		4	33		E	I ⊟	1	1
	sses	. tye Bluegr.		1						8 16	-			1 2	H
	Grasses		Squirrel	1				1	1	1	<u>'</u>			2	1
		ssin Wildrye Bluegrass		ı	1		10 26		· 		<u> </u>	1		1	1
			Cheatgra	7	18	6	34 1	1	7	00	1	<u> </u>	4		2
		ch Wheatgr.		87	100	62	81 3	94	30	68 1	30	16	II	29 17	18
	!			00	_ =_	9		4	<u> </u>	9	_ m			7	
		Number of Plots		6	ł	42	1	12	53	ł	12	10	70	ı	28
		able	Low	1,015	1	172	ł	172	112	ı	112	588	187	1	187
	rield	Unfavorable Years	rage Bg	1,394	1	540		256	997		324	588	389		464
	ual	Uni	Ave	<u>–</u>		u ,			7	'		<u> </u>	(*)	1	4
	Total Annual Yield	Favorable	Average Average	2,338	4	1,311	1	848	1,188	1	1	ı	1,017	1	712
	Ho	Favo	High	2,850	ŧ	2,200	ı	848	1,720	4	1	1	1,357	1	752
		**************************************	ju.	7	(0)	N	9		7	50			-	(O)	
		Un:			ecie		ecie	sti		ecie	stj			scie	stl
		mic			Sp		Sp	ove		gp	ove			Spe	ove
		Taxonomic Unit		o)	Max. each species	ιο.	Max. each species	Pleasant Grove stl	S	Max. each species	Pleasant Grove stl	avl	00	Max. each species	Pleasant Grove stl
		Tax		soils		All soils	0	ant	All soils	0)	ant	Pharo gravl	soils	9	ant
		Soil		A11 s	Max	1. 8	Мах	eas	ri S	Мах	eas	aro	1 8	Max	eas
				A1		A.		P1	A1		PJ	Ph	A11		P.1
		Range Condition		Excellent		mel			4.						
		Re		Exce		Good			Fair				Poor		

YIELD AND VEGETATION COMPOSITION Upland Gravelly Loam Range Site





RANGE YIELD AND COMPOSITION UPLAND LIMY LOAM

		rush.	Хеттомр	1	H	∺	E	₽	E-4	Н	m	₽	3
		rush.	Bitterb	ı	16	32	16	ı	ı	7	29	ı	29
	So	ldenrod	коск Со	I	10	20	10	l	ı	ı	ı	ı	i
	Shrubs	pə	Snakewe	ı	7	13	7	1	1	H	Н	I	7
	S		Ъртох	ı	Η	Н	⊱	1	1	ı	I	1	1
		spinsh	Big Sage	L	16	26	16	2	2	73	97	94	
t)		घट	Mormonte	1	l	I	ŀ	ı	- 1	6	38	1	38
(Percent)		X	Toadfla	1	I	ı	ŀ	5	9	I	ı	1	1
Per		ТУ	Sego Li	1	E-1	Н	[-1	ı	ı	ı	ı	1	1
- {			Aster	ı	H	Н	H	ı	1	H	H	H	ı
Composition	S		Flax	ı	H	-	H	ı	- 1	ı	ı	1	1
osi	Forbs		Peavine	I	H	Н	Н	ı	1	1	ı	1	1
dino	124	uc	Penstemo	ı	H	Н	⊱	ı	ı	ı	1	1	1
S C			Annuals	1	H		H	ı	1	1	1	ı	1
Species			ssoM	5	1	ı	1	1	ı	1	ı	ı	1
ped			БЬТОХ	- 5	1	1	1	ı	ı	7	10	ı	10
01		TTETT	Squirre	1	1	1	1	1	1	Н	4 1	2	-
		ndthread		1	1		1	6	59	E-1	EH	<u></u>	1
	ses	Atcegrass		1		9			20 5	4	00	1	18
	Grasses	g Bluegrass		- 2	\$ 5 5 5	ı	1		- 2	<u></u>		€	
	9				4	9	4			E	<u>-</u>	E	
			Cheatgra	t 10				7 58	0 65	-2		7	<u> </u>
		. Mheatgr.	Bluebunc	74	38	56	38	17	20				
		Number of Plots		30	20	ı	20	12	1	43	ı	33	10
		able	Low	1	ı	1	1	433	ı	155	1	611	155
	ıal Yield	Unfavorable	Average	ı	ı	1	ı	433	ı	425	1	651	155
	Total Annual Yield	vorable	Average	647	863	ı	863	092	ı	1,430	1	1,430	1
		Favorable	High	276	913	ı	913	760	ı	1,685	ı	1,685	ı
		Soil Taxonomic Unit			All soils	Maximum each species	Pharo stfsl	All soils	Maximum each species	All soils	Maximum each species	Phage	Arapien loam
		Range		Excellent	Good			Fair		Poor			

RANGE YIELD AND COMPOSITION UPLAND LIMY LOAM (JUNIPER-PINON)

		prush	Big Sage	2	EH	н	H	20
		р	Snakewee	m	H	Н	H	2
		əu	id nonid	E	9	10	ı	I
	S		luntper	29	50	55	48	70
	Shrubs	ysn	Yellowbr	ı	, н	П	H	-
	Sh		Брдох	1	2	7	4	2
ıt)		1	Winterfa	1		Н		ı
(Percent)		8eprush	ВТаск Ѕа	1	1	1	1	<u> </u>
(Pe		denrod	Rock Gol	1	1	1	1.	H
uo			Loco		l	1	1	
Species Composition	ps		slsunnA	1	- 7	- 5	4	
bos	Forbs	Tow	Globemal	1	I	1	1	H
Com			slsunnA		I	1	1	
es.			БЪТОХ	3	I	1	l 	
eci		ive Bluegr.		1	1	1	1	H
Sp		Bluegrass		1	ı	1	1	E-1
	80	Wheatgrass	Western	1	7	2	7	ı
	Grasses	h Wheatgr.	ВІчерипс	38	4	7	9	ı
	Gre	dthread	Needlean	4	4	7	4	1
			Squirrel	7	3	- 5	<u></u>	H
		ss	Cheatgra		2	4	2	1
		tcegrass	Indian R	14	23	28	25	Н
		Number of Plots		10	30	ı	20	10
		able s	Low	786	507	ı	507	Ē.
	al Yield	Unfavorable Years	Average	786	670	ı	507	ı
	Total Annual Yield	able	Average	ı	1,420	ı	1,420	1,237
	1	Favorable Years	High	ı	1,420	ı	1,420	1,237
		Soil Taxonomic Unit		Excellent Brass sicl	All soils	Maximum each species	Brass sicl	
		Range		Excellent	Good			Poor

RANGE YIELD AND COMPOSITION UPLAND LOAM

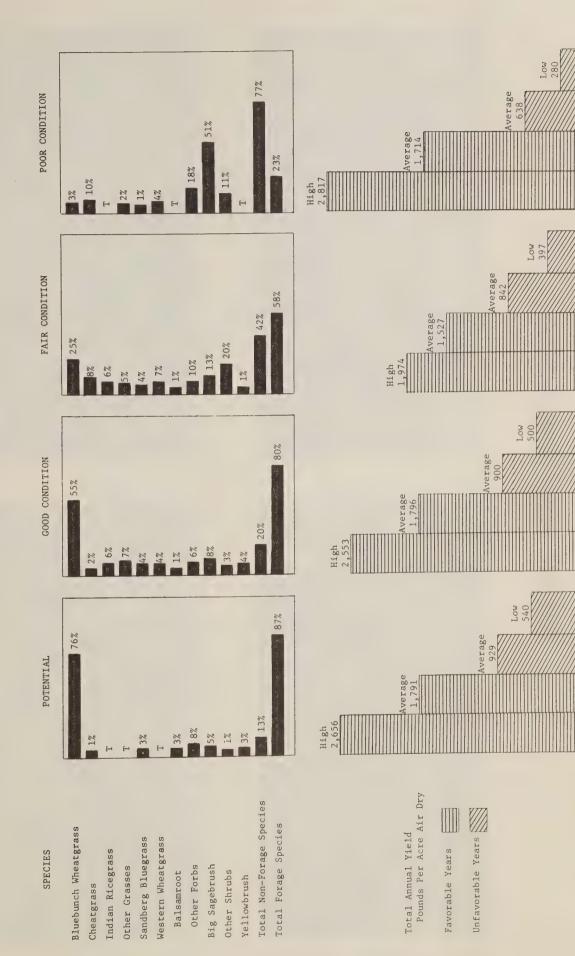
Species Composition (Percent) Total Annual Yield Shrubs Forbs Grasses Number Favorable Unfavorable Range Soil Taxonomic Unit of Condition Years Years Plots Average High Average Low Excellent All soils 1,791 929 540 Maximum each species ~ Wales loam 780 540 30 Thiokol sil 2,575 1,204 1,122 30 Middle cobsil 1,747 2,656 1,086 1,067 250 Broad cobl 1,157 2,274 1,782 880 160 88 Welby sil 1,622 983 598 390 Gemson sicl 1,862 1,862 1,128 1,128 Munk grav sil 1,088 1,088 10 Sterling loam 1,956 1,956 1,261 1,261 20 Sanpete grav sil 2,168 1,088 1,088 30 98 All soils Good 1,796 900 500 514 Maximum each species Middle cobsil 2,476 1.838 1.206 1,049 150 64 Broad cobl 2.116 1,677 1,114 1.072 100 Kidman vfsl 2,553 2,553 10 Wales loam 842 598 50 Thiokol sil 1,326 1,326 10 Leatham sil 1,953 1,953 10 Kearns sil 1,840 1,840 _ 10 Sterling gravl 823 717 6 61 Ricks gravl 1,300 1,300 62 Steed grav1 1,480 1,480 Crowshaw gravl 1,650 1,650 Collinston loam 1,520 1,520 2 76

RANGE YIELD AND COMPOSITION UPLAND LOAM continued

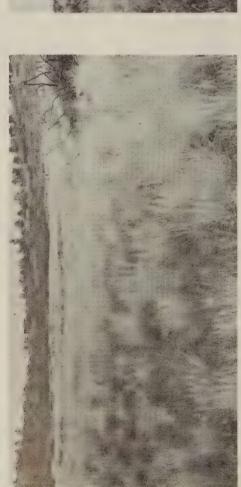
																				Sp	ecie	s Cor	nposi	tion	(Per	cent)										<u> </u>			
		ĺ	Total Ann	ual Yield				-,			Grass	ses										F	orbs						 			T		Sh	rubs					
Range Condition	Soil Taxonomic Unit	Ye	rable ars	Unfavor Year	:s	Number of Plots	ern Wheatgrass	Dropseed	an Ricegrass	luebunch Wheatgr.	lberg Bluegrass	leatgrass	p Fescue	Letterman Needlegr.	it Basin Wildrye	ested Wheatgrass	esear Dock Tycup Gumweed		necio		emallow	Sweet Vetch	ytoes	MO.	le Sunflower	avine go Lily	aceous Sage	lals	Goldenrod		rk Sagebrusn per	ody Aster	Horsebrush	nceberry oer Rabbitbrush		Llowbrush	Sagebr	wberry	Buckwheat	akbrusn ricklypear
		High	Average	Average	Low		West	Sand	Indi	Blue	Sand	Chea	Shee	Lette	Grea	Cres	Mule Curl	Phlc	Locc	Othe	Glob	Swee	Puss	Yarro	1 -ct	as L as	1 01 1	Annu	Rock	Low	Junipe	Wcod	Hors	Rubber	Snak	Yel	Big	Snov	Buc	Pric
Fair	All soils	1,974	1,527	842	397	240		2 T		1 26		т 8	T	1 T	T 1	_		Т	ТТ	9	Т	1 T	Т	ТТ	T	TT	Т	1	т -	_	2 5	T	T	T 1	2	1 10	13	Т	_	_
	Maximum each species	_	_	_	_	_	100 2	6 26	64 1	0 84	31	3 23	5 2	1 10	2 17	-		3	3 3	8	1	8 4	3	3 4	3	2 1	3	15	2 -	- 3	5 50	1	1 6	6 12	14 1	0 49	62	4	_	
	Deer Creek loam	_	_	770	770	1	-		-	- 26	_					. _		-		_	-		_		-		_	_		_		-	- 61	0 -	- 1	4 -		-	-	
	Clegg loam	_	_	1,015	1,015	1	46	-	- 1	0 -	-	- 2	- :	2 -		- -	- 11	-	_		-		-		-		-	_	~ -	-		-		_ _	-		- 30	-	_	
	Middle cobsil	1,549	1,402	1,057	1,029	70	-	- 1	-	- 31	_	- 13	-	1 -		- -		-		- 2	-	2 -	-		_	_ _	1	T		-	5 5		-	- 1	4	T 23	3 12	-	-	
	Sanpete grav sil	1,974	1,581	1,028	1,008	40	-	- -	16	- 34	4	- 10	-			- -		1		- 1	-		-		_		-	T	T -	-	- 24	1		- -	1	- 9	9 2	_	-	
	Broad cobl	-	-	970	970	10	-	- -	-	- 84	8			- -		- -		-			-		-	2 -	-		-	-		-		-			-	5 -		-	-	
	Munk grav sil	1,918	1,634	-	-	20	-	- -	-	- 24	28	- -	- 1	0 -	- 8	3 -		2		- 2	-		2	TT	-		-	-	2 -	-		-	T .	- -	2	6 -	- 10	-	-	
	Leatham sil	1,700	1,700	_	_	10	-	- -	-	- 12	-	- 17	-	- -		- -		-		- 9	-	6 -	-		-		1	14		-		-	-	- 2	-	- 16	6 23	-	-	
Poor	All soils	2,817	1,714	638	280	323	4	1 T	T	1 3	1	T 10	- '	TT	TI	r - r	- T	T	TI	15	Т	TT	-	1 T	T	TT	-	T	2 T	3		-	T	TT	1	T	1 49	1	2	2 1
	Maximum each species	-	-	-	-	-	100	3 14	6	4 30	9 2	0 63	-	5 1	5 12	2 -	- 2	3	2]	L 20	8	9 3	-	5 7	1	2 i		1 6	3 4	43		- 1	10 8	8 1	16	17 27	7 95	21 1	17 4	2 30
	Ivers loam	-	_	520	520	1	5	- -	- 1	1 -	-	- 2	-	- -		- -		-		- 5	-		-	- -	-		- 2-	-		-	- -	-		- -	-	- -	- 77	-	-	
	Clegg loam	2,329	1,843	-	-	51	-	- -	-	1 1	Т	- 19	-	- -		- -		-	T -		-		-	5 -	-	- T	T	-	T -	-		-	-	- T	-	T -	- 73	T	-	T -
	Ushar loam	2,817	2,736	363	280	46	-	- -	-	1 T	T	- T	- '	T -		- -		1			-	- -	-	- -	-		-	- 1	.5 -	-		-	- -	- -	-	- -	- 70	- 1	11	
	Andy loam	2,365	1,523	984	898	42	-	- -	Т	2 2	-	- 7	- -	- -	- -	- -	- -	-	T -	- 3	-		-	1 -	-	- I	-	-	T -	-		-	2	- T	-	- 4	4 78	-	-	- -
	Deer Creek loam	-	-	892	892	10	-	- -	-	1 12	3	- 17	- -	- -		- -		-	2 -	- 7	-	- -	-	- -	-		-	3	7 -	-	- -	-	-	- -	16		- 31	-	-	
	Wales loam	1,673	1,568	508	508	30	4	- -	1	- 2	-	- -	- -	- -	- -	- -		T		- 1	-		-	- -	-		-	T		-		-	-	- -	1	- -	- 88	-	-	- 3
	Henefer loam	1,245	1,206	-	-	20	-	- -	-	- 2	2	- 2	-	- -	- 6	5 - 4	- 8+	-			-		-	- 2	-		-	1	- 4	-		-	-		-	-	- 1	-	- 3	1 -
	Sanpete grav sil	1,540	1,540	-	-	10	-	- -	-	- 2	1	- 13	-	2 -	- -	- -		-		- 2	-		-	- -	-		-	-		-	- -	-	-	- -	4	- 2	7 43	-	-	
	Broad cobl	1,629	1,629	-	-	10	-		-	- 1	-	- -	-	- -	1 -			-		- 2	-	- -	-	- T	-			-		-		-	-	8 -	-	-		21	-	
	Leatham loam	2,615	1,755	831	741	34	-	- -	-	- T	T	- 15	-	1 1		- 6	35 1	-	- I	6	-	- -	-	- 2	T		- -	T		29		-	-	- -	-	-	- 5	-	-	

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VEGETATION COMPOSITION Upland Loam Range Site YIELD AND



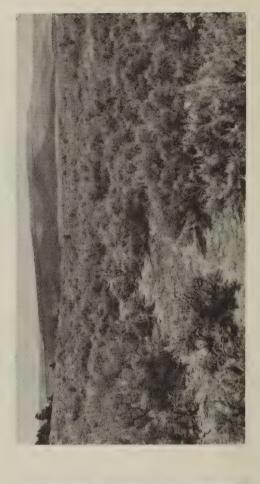
UPLAND LOAM RANGE SITE



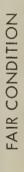
EXCELLENT CONDITION



GOOD CONDITION



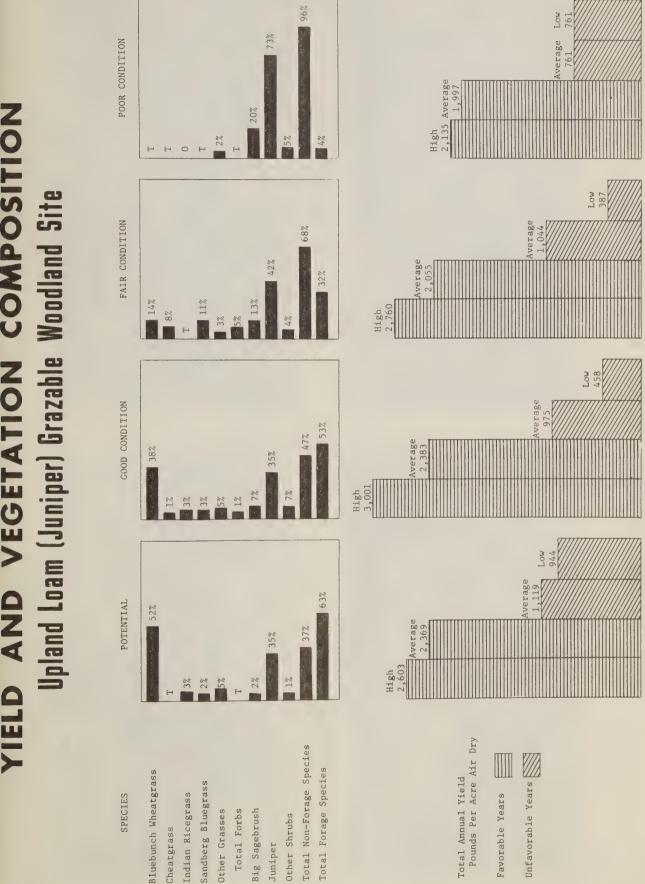
POOR CONDITION



RANGE YIELD AND COMPOSITION UPLAND LOAM (JUNIPER)

	-		Big Sag	1 2	9 7	<u>-</u>	1	1 7	7 23	- 16	L	- 5	T 13	2 5	- 13	- 33	- 12	4	- 33	T 20	1 61	T 20
	+		Juniper	35	51	35	40	32	58	16	38	38	58	35	39	70	43	34	36	71	92	71
	1		ьитож	1	1	1	7	-	11 5	1	1	1	H	1	1	1	7	1	1	-	2	1
		рə	Snakewe	1	ı	1	1	Н	4	4	1	1	Н	1	ı	ı	- 1	I	1	1	1	1
Shrubs	-	ınsp	Bitterbi	1	1	1	1	2	12	9	-	1	12	4	7	22	H	ı	20	4	9	4
Shr		əuŢ	Finon P	- 1	ı	1	1	٦	5	7	1	- 1	2	2	- 1	1	ı	ı	1	- 1	- 1	1
		gebrush	Black Sa	ı	-1	1	ı	-	00	I	1	ı	1	1	- 1	I	-1	ı	ı	1	- 1	I
		J.E	вискире	1	1	1	ı	ı	ı	1	I	1	2	-	ı	- 1	1	ı	1	ı	- 1	- 1
		ctylon	Leptoda	I	1	1	1	I	1	ī	1	1	Н	ŀ	ı	- 1	ı	I	I	1	1	1
			Senecio	1	1	1	-1	1	1	1	ı	-1	1	ŀ	-1	1	-1	2	1	1	1	- 1
nt)			Lupine	1	1	-1	-1		1	1	1	1	-1	-1		2	1	2	1	1		1
rce		po	Coldenra	- 1	-	1	1	E-1		1	1	1		_ I	1	1	1	1		-1	1	-
(Percent,			Госо	1	-	- 1	1	=		1	1	-	1	- 1	- 1	1	I	2	1	ŀ	!	
			noin0	- 1		- 1	1	H	П		1	-	1	-1	Ξ		Ξ	. 1		1	1	
Composition			Penstemo	1	1	1	1	H	Н	1	П	1	1	1	H		H	H	ı	1	1	1
Forbs			Butterwe	1	1	-		H	1	1	H	1	1	1	H	2	1	~	1	1		<u> </u>
000		3.5	вискмрея	H	H		1	1	1	1	1	1	1	1			<u></u>		1	1		
	-		Daisy	H	H			<u></u>	2	1		1	. 2	1	1	1	1	1	1		1	
Species	L		Отрега	E-4	H	-		7	ω,				H	-	-	~~	9	т т	<u> </u>	-	-	
d's		100	Balsamro	H	1	-		H		1	H	1	-			3	-	- 2	-	- I		
	-		sisunnA	I	T I		-	T	2 1	1	1 EH	1	<u></u> [⊣	2 -	2 T	5 T			5 T		2	- H
-	+	1790075 -150	БЪТОЖ	1	1			2 I		- 7					3							
	Н	. Tgen Bluegr.							- 12	1		-	<u>'</u>	- 12	1	- 10			1	1	-	
	ŀ	Wheatgrass esin Wildrye		2	00	<u> </u>		ω.		<u>.</u>	<u>.</u>	· 1		- 9	<u> </u>	<u>.</u>	· -		<u>.</u>		<u> </u>	
w	,	Bluegrass		2	2	4	H	· ·	13 18		2	13	Ë				- 2	4		[+1	-	
Grasse	1	th Wheatgr.		64	70	28	58	39	71 1	20	26	38 1		28	14 11	33 22	7 12	30 1	E-1	H		<u></u>
Gra	-		Needlear	1 4	3 7	- 5	- 5	T 3	1 7	- 5	- 5	- 3	-	- 2	-	3	- 1	1	1	1	1	1
	+		Squirrel		3	1	1	1	ı		1	1	1	1	-	4	-	1	33	2	4	7
	+		Cheatgra	H	-	1	H		3		i	3	Н	1	00	31	9	ı		<u></u>		<u></u>
	+	tcegrass		3	13	1	1	3	3	1	1	t	Н	1	E		T	1	1	1	1	1
		Number of Plots		50	1	20	20	96	ı	10	30	10	10	10	09	1	30	20	10	31	1	31
		able	Low	946	ł	1	1,294	458	1	626	1,402	ı	1	1,020	387	1	1,396	1,350	387	761	1	761
11 Yield		Unfavorable Years	Average	1,119	1	ı	1,294	975	ţ	959	1,402	1	1	1,020	1,044	1	1,396	1,350	387	761	ı	761
Total Annual Yield		able	Average	2,369	1	2,429	2,252	2,383	1	1	2,312	3,001	2,043	ı	2,055	1	2,286	1,593	ı	1,997	1	1,997
Ţ		Favorable Years	High	2,603	1	2,603	2,252	3,001	1	1	2,858	3,001	2,043	ı	2,760	ı	2,760	1,593	ı	2,135	ı	2,135
		Soil Taxonomic Unit		All soils	Maximum each species	Broad cobl	Kearns sil	All soils	Maximum each species	Deer Creek cobl	Broad cobl	Kearns sil	Borvant cobl	Calita loam	All soils	Maximum each species	Kearns sil	Broad cobl	Ushar loam	All soils	Maximum each species	Tushar loam
		Range		Excellent				Good							Fair					Poor		

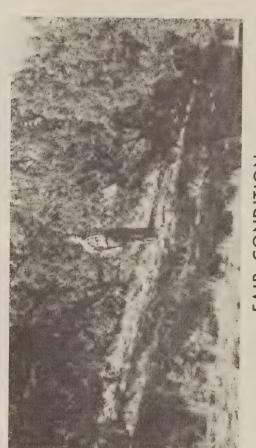




DEEP LOAM (PINON - JUNIPER) 12" - 16" p. z.



EXCELLENT CONDITION



FAIR CONDITION



POOR CONDITION

GOOD CONDITION

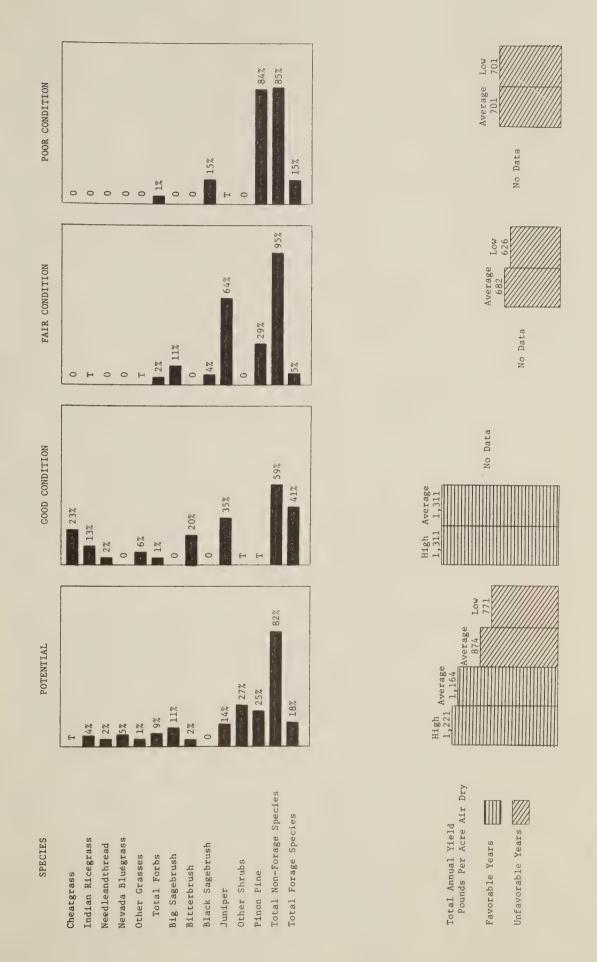
RANGE YIELD AND COMPOSITION UPLAND SAND (JUNIPER PINON)

		Big Sagebrush		11	21	1	1	- 1	- 1	11	7	- 1	- 1	i
		191	5	28	ı	ı	ı	- 1	1	- 1	- 1	1	1	
		Віссегьгия		2	9	ı	1	20	1	1	1	ı	- 1	F
		Оакртивр		11	19	ı	I	ı	1	1		ı	1	t
	Shrubs	Horsebrush		-	2	1	1	1	1	1	- 1	1	j	I
- }		Ргіскlуреаг		9	12	1	1	1	- 1	ı	1	1	1	I I
		Pinon Pine		25	33	- 1	1	H	1	31	29	1	1	84
	SI	Juniper		14	67	1	1	35	1	61	57	1	1	E→
			Mormonte		9	- t	1		1	1	- 1	1	ŀ	J
		11	вискирея		2	1	1	1		1	ı	ı	- 1	ı
		Λ.;	Snowberr	-	4	ı	1	- 1	1	1	1	1	ŀ	I
		ųsn.	Kellowbr	E		!	ı	1	1	j.	626 22 T T T T T T T T T T T T T T T T T	ł		
		Reprush	Black Sa		1	_ 1	1	1	- 1	4	4	ì	I.	15
Ţ.		11	вискирея	1	- 1	1	1		- 1	⊢	H	1	1	1
(Percent		rstkspur	Foothill	H	-	1	1	1	1	1	ı	- (- 1	1
Per		egas suc	Неграсес	H				1	Ŧ	1	1	1	Ī	ı
0			roco	H	104	1	1	1	I.	ı	1	ı	1	ı
ij0]		SA	1	- 1	I	ı	I	- 1	- 1	1	1	1	ı	
ostı	Forbs	1	Arenaria	E	2	1	1	ı	- 1	1	1	- 1	1	1
ошро	FC		Others	5	٦	ı	1	1	1	⊣	E-I	- 1	I	I
CC		Tover	Native C	H	m	1	1	ŧ	1	1	I	1	1	1
ites		судоп	Leptodac	-	· m	1	1	- 1	- 1	- 1	1	ı	L	T
Species Composition			Mustard	н	2	I	- 1	I	1	₽	H	ı	- 1	ı
S		pe	Sticksee	-	4	1	ı	1	I	1	1	1	- 1	1
Ì		Cryptantha		-	7	1	ı	1	1	I	1	- 1	1	М
İ		Galleta		ı	1	1	ı	1	ı	2	H	- 1	- 1	1
		Тһтееамп		1	1	- 1	- 1	-	3	- I	ı	1	1	1
Ì	ses	Cheatgrass		H	H	- 1	1	23	1	T.	ı	ı	1	1
		Squirreltail		H	H	F	I	1	- 1	E-I	Н	I	ı	1
ļ		Muttongrass		H	2	1	1 -	1	1	1	1	- 1	1	1
		Sand Dropseed		H	H	1	1	4	1	1	- 1	ı	1	1
}	Grasses	Prairie Junegrass		H	2	1	ı	ī	ı	1	1	1	ŀ	- 1
	0	Western Wheatgrass		H	Н	- 1	1	П	1	1	1	1	- 1	
		Ring Muhly		Н	5	1	- 1	l l	ı	ı	ı	1	1	- 1
		Needleandthread		2	9	1	1	7	1	1	1	ı	ı	- 1
		Sluegrass	Nevada E	2	00	1	1	1	T	1	1	ı	ı	1
		/tcegrass	4	11	1	ı	13	ŀ	-	H	1	- 1	1	
							• • •							
	Number of Plots		70	ı	1	ı	10	t	ı	22	t	1	10	
Total Annual Yield		able	Low	771	i	ı	ŧ	ı	ı	ı	626	ı	I	701
		Unfavorable Years	Average	874	ŧ	1	ı	ı	ı	1	682	ŀ	1	701
	Annua			79				11						
,	Total	Favorable Years	Average	1,164	ı	1	1	1,311	ı	1	·			1
		Fav	High	1,221	1	ı	ı	1,311	ŀ	ı	ı	ì		ı
Range Soil Taxonomic Unit			All soils	Maximum each species	All soils	Maximum each species	Preston 1s	All soils	Maximum each species	Sheeprock 1s	All soils	Maximum each species	Sheeprock 1s	
			Excellent		Poog			Fair			Poor			

M7-L-13000-274

YIELD AND VEGETATION COMPOSITION

Upland Sand (Juniper-Pinon) Grazable Woodland Site

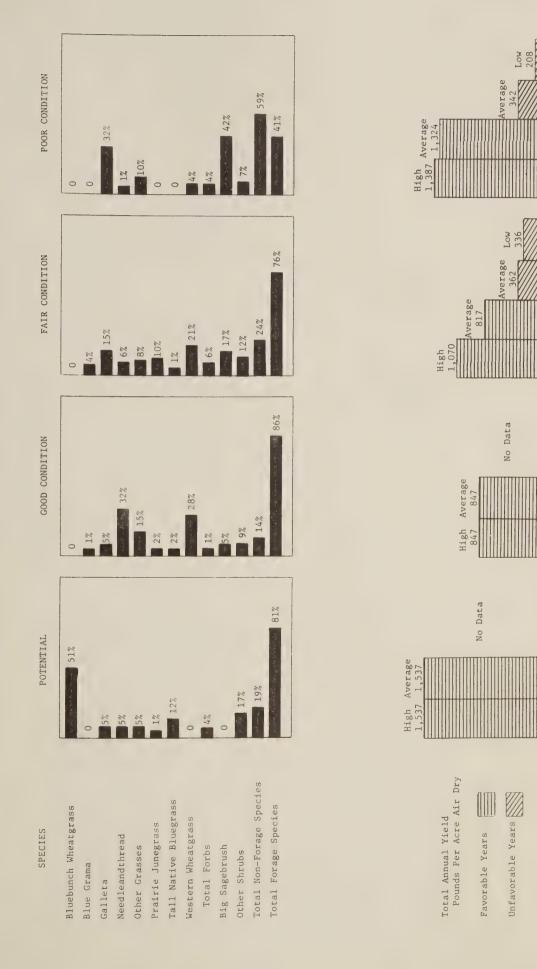


RANGE YIELD AND COMPOSITION UPLAND LOAM (SUMMER PRECIPITATION)

1	1	Xellowbrush		10	10	2	2	1	1	-	4
		ypear	5]	- 5	1	ı	1	1	-	8	
		us	2	7	1	1	ı	1		4	
	Shrubs	Bitterbrush		I I	1	Н	7	П	6		9
		Big Sagebrush		1	1	70	10	17	26	41	99
		Rubber Rabbitbrush		1	1	7	3	1	1	7	1
		Winterfat		1	ı	ı	ı	9	19	ı	1
	H	pəə	1	1	ı	1	H	7	H		
	-	<u>`</u>	1	ı	1	1	2	14	1	1	
		res	1	1	l "	1	1	1	3	13	
			l	1	1	ı	9	29	m	7	
es Composition (Percent)	Forbs	wolls	1	1	H		⊢	Н	E-1		
		Skeleton Loco			1		2		ı	1	1
		slsunnA		1	1	H		1	1	⊢	E
		Mustard		\vdash		1	1	1	1		2
		Hawksbeard		7	7	· ·	1	1	ı	ŧ	1
					1		l I	1	H	-	
		u	1	ı	1	1	1	ı	9	23	
		sse	1	1	1	i	1	1	Н	3	
Species			1		1	1	4	35	Н	Н	
Spe	Grasses	Sand Dropseed		i	1		7	4	32 3	ı	ı
		Squirreltail Blue Grama		1	ı	12	25	1	1		7
				1	1	28 1	42 2	21	37	7	∞
		Western Wheatgrass		1	1	8	15 4		1		7
		Bullgrass Indian Ricegrass		4	7	1		1	1	1	1
		Sandberg Bluegrass				1	1	3	10	1	1
						7	4	10	31 1	1	ı
		Prairie Junegrass				32	33	6 1	11 3		7
		Needleandthread				<u> </u>	<u> </u>	1		1	1
		Tall Native Bluegr. Bluebunch Wheatgr.		2 51	3 54	7	3	П	7	1	1
				5 12	100 13	1	1	15	61	31	63
-	Galleta									(7)	
	Number of Plots			21	1	20	1	31	1	41	1
		.ble	Low	ı	1	1	ı	336	1	208	1
	1 Yield	Unfavorable Years	Werage	1	ı	ı	1	362	ı	342	ı
	Total Annual Yield		Average Average	1,537	1	847	1	817	I	1,324	I
	Tot	Favorable	High A	1,537	ı	847	ı	1,070	1.	1,387	. 1
	Taxonomic Unit			All soils	Max. each species						
		Range Soil	Excellent Al		Good		Fair		Poor		



Upland Loam (Summer Precipitation) Range Site



RANGE YIELD AND COMPOSITION UPLAND SAND (SUMMER PRECIPITATION)

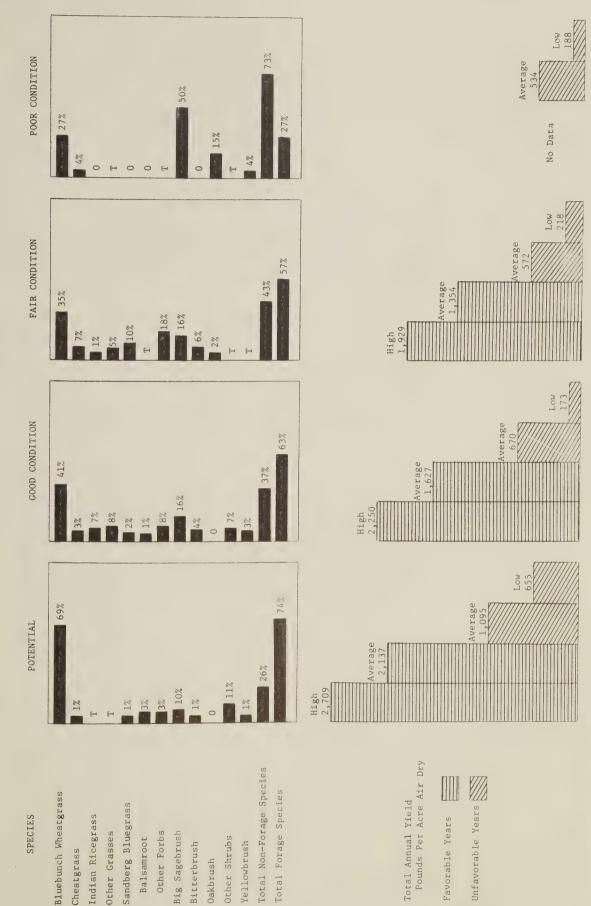
1		p;	Mormonte		4	6	ı	ı	
	-		Winterfa		-2	10	1	· · ·	
	sqr		Snakewee		H		1	31	
	Shrubs	Saltbush			14	27	1	<u> </u>	
	" -		Pricklyl				1	7	
	-		Sand Sag		1	1	i	m	
		Milkweed			1	1			
			Daisy		1	1	1		
(Percent)	-		mnpəs	-	5	10	I	7	
rce			sisunna	-	<u></u>		1		
(Pe			тоіля		E	H	1	1	
Lon	SO	pa	Stickse		2	- 7		1	
siti	Forbs	•	Mustard		E	H	1	1	
podu	" -	Thistle		-	9	00	l	7	
Con	-		Globema]	-	H		ı		
es	-		Loco		<u>[</u>	€	1	1	
Species Composition	-	1831	Mnsibnl		\vdash	7	, 1	ı	
Sp		ndthread			ı	1	1		
	-		Cheatgra		~	7	1	· ·	
	-		Threeawr			7		32	
	Grasses		Black G		σ.	9		<u></u>	
	ras		Spike Dr		22	42			
			Sand Dre		10 2	13 4	1	10	
	-	Peesac	Galleta Sand bres		4 1	7 1	1	<u> </u>	
	-	?icegrass			21		1	H	
		226700016			2	42			
		Number of Plots			20	1	1	10	
		Nu P1							
			Low		742	1	1	.,055	
		35 S	LC		17	'	'	1,(
	e1d	Unfavorable Years	Se		~				
	Yie	nfav	erag		742	I	1	1,055	
	ıal	Ğ	Average					7	
	Total Annual Yield								
	al 6	e	Average		i	1	1	1	
	lota	vorabl Years	Ave						
		Favorable Years							
		Ĕ	High		1	1	1	1	
-						()		(O)	
		ıit				ecie		ecie	
		U				ds		spe	
		mic				ach		ach	
		tonc			10	B e.	co.	e e	
		Tay			oil:	imui	011	imu	
		Soil Taxonomic Unit			All soils	Maximum each species	All soils	Maximum each species	
		So			A1.	4	A1.		
		- E						,	
		Range Condition							
		Range			Good		Fair		
		ŭ			G		II.		

RANGE YIELD AND COMPOSITION UPLAND SHALLOW LOAM

		ерілзу	Bag Sag	10	77	7 (77	77		08	ı		30	29		10			33	64	2 2	- 29			4 20
	-	ınap	Kellowb		n	I	1 0	۰ ،			1 6	77	1	1		- c	۷ I	H 	-	<u>'</u>		<u> </u>		- 24	-
	-	epinsh	Low Sag	9	040	I	I	1 ~	ţ ;	41	1	I	1		1	-	<u> </u>	-	<u>'</u>	-	<u>'</u>	<u>'</u>	<u> </u>	· -	
		Sagebrush	Silver	-	9	1	1	1		1	!	1			1				1	<u> </u>		20		· 1	
	8	usn	Bitterb	-	m	T	1 ,	- ·	4 (29	<u> </u>	1	m 	29			2 2	07	1		-		1	<u></u>	
	Shrubs	pa	Snakewe	E-1 -1	-	I.	1 6		- 1			_	H 	<u> </u>		H .			<u>'</u>	<u>'</u>	-	1	· -	· -	
	SI	цег	Horsebr	H	-	I		⊣	I 	1	l 		1	<u> </u>	-	-	<u>'</u>	,	-				1	1	
			Maple	.5	17	1	1 (13	1	· · · · ·	1	-			-	-	7	<u>-</u>	<u>'</u>	<u> </u>	1	· -			H
		sabbitchrush	Kubber	1	1	<u> </u>	1	1 0	7	37		1		1				E	<u>'</u>		-	·		m	2
		Ţ	Oskbrush	1	1		1		_		_	1	-	<u>'</u>					-	- 20	<u> </u>	<u> </u>	1	4	
		верхлар	Black Sa	1	1	1	1	1	·						_									<u>e</u>	-
		881	Deathcan	1	1	1	1	1	<u> </u>	1		1	1		1		1		1	1	1				H
			Aster	I .	1	1	<u> </u>	1	1	1		1		1			<u></u>	-	<u> </u>	-	<u>'</u>	1	1		
<u> </u>		us Sage	Нетрасео	1	1	<u> </u>	1	_	1	1		ı			<u> </u>	-	1	-	-	<u>'</u>	-	<u>-</u>	1	<u>'</u>	-
(Percent		S	Pussytoe	1	1	1		1		1	1	1	1		<u>'</u>		9	<u> </u>	<u>'</u>	-	<u>.</u>	<u> </u>	<u></u>	1	
Per			Lomatium	- 1	1	1		1	1	1	<u> </u>	1	<u>'</u>	<u>'</u>	<u> </u>	7	- 31		-	<u>'</u>	<u> </u>	<u>.</u>	· 1	<u> </u>	
1			Mustard		1		1		<u> </u>	<u>'</u>		- 5	<u>'</u>	-	1	-	-	1	1	-	<u> </u>	<u>.</u>	<u>.</u>		E-1
Composition	sq		Peavine	1	1	_	1	-	1	1	- 5	1	1	-	1	-	1	<u></u>	1	1	1	1	1	1	1
osi	Forbs		Lupine	H	Н	1	1	E E	1		_	1	-	· 、	-	1	_	1	1	-	1	1	-	1	1
omp		P	Stonesee	H	-1	1	1		-	1	-	-	1	1	1	1	1	_		1	1	1	ı	ı	1
1			Poco	H		1	1		1		-	1	1	_	_	[-	<u>س</u>	1	1	ī	m	1	1	ŧ	1
Species			Намквреа		E-)	-	1	I 9	-	0	1	_	1	1	<u>-</u>		 	H	1	1	1	1	1	1	1
Spe		10	Balsamro	2 3	5 11	3				7 10		ر	1	7	<u>ش</u>		14		1	H	22	7	1	1	1
			Others	H	2		7	<u>.</u>		13	1	7	1	1	1		5 1	H	7	1	1 2	1	1	ŀ	1
			slaunna		m		2	-	-	7	_	1	1	1	7		4	H	2	ı	4	1	1	1	1
	_		ьртох	1			1	1	1	1	1	1	1	1	1	⊢	00	1	18	2	20	1	1	1	1
			Idaho Fes		1		1	1	1	1	1	1	ı	1	1		12 1	1	9	1	12 2	1	1	ı	1
			Squirreli			1	1		H	4	1	1	1	4	1	1	-	ŀ	1	1	1	1	1	1	1
			Ontongra	1		1	1	<u> </u>	4	38	38	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	100		Needleand Kings Fea	1		1	1	1	2	<u>∞</u>	<u>~</u>	П	1	1	ı	-	99	1	1	1	ı	1	1	1	1
	Grasses	Bluegrass			9	H	9	Н	7	20	1	ŀ	1	4	20		36 6	7	36	1	20	3	T	1	1
	Gra	S	Сћеатвгая	-	9	7	F	7	3	19 2	1	7	3	14	1		24 3	10	1	ŀ	1	24	1	11	4
			Indian Ri	E	2	1	1	ī	7	48	1	48	1	1	1		17	1	1	-1	F	9	1	1	1
			Nevada Bl	E-4		1	ı	1	7	11/	11	1	1	7	1	П	5	H	1	H	- 1	2	ı	H	H
			Prairie J	H	2	1	1	1	ī	1	1	1	ı	1	1	H	16	ı	1	1	2	1	1	1	1
		Wheatgr.	утперписр	67	96	92	79	59	39	68	30	7	26	10	9	33	67	64	3	29	00	21	1	09	26
-	1_			-		_					_														
		Number of Plots		71	1	20	10	30	104	ı	10	10	36	10	10	155	1	79	20	12	20	10	1	1	28
		1e	Low	655	1	1,427	655	1	173	ı	800	895	173	ı	905	218	1	609	243	283	486	1	ı	1	188
	14	Unfavorable									_	~			10	C.I.		~	<u></u>	-					7
	Total Annual Yield	fav	Average	1,095	1	1,427	655	1	670	ı	800	468	570	1	905	572	1	788	422	699	486	1	ł	1	534
	la1	UE	Ave	1		L.																			
	unu			7		0		0	7				2	4		4		1			0	.3			
	31 6	le le	Average	2,137	- 1	2,709	1	1,880	1,627	1	1	1	1,182	1,724	-1	1,354	t	1,451	ŀ	1	1,160	1,173	1	¥	1
	Tota	vorab	Av	2		2		-	Н				-												
		Favorable	r r	60		2,709		2,036	2,250		F	1	1,182	1,724		1,929	1	1,929	1	-	1,160	1,173		1	1
		E4	High	2,709		2,7		2,0	2,5		,		1,1	1,1		1,5		1,5			1,	1,	,		
			1,		00					e s							es							es	
		nit			Maximum each species			Н		Maximum each species							Maximum each species							Maximum each species	
		i i			Sp			.10		Sp							Sp		il					Sp	
		omi			ach	t1	-	grav sil		ach				t1	111		ach	iil	sts		sl	t1		ach	
		xon		o o	E e	VS	tsi	90		III e	1.1	rsh1		l vs	sops	S	E G	cobs	ext		ton	A VS	S	um 6	1
		H		011	imu	puor	n s	111	totl	rimn	tett	CC	stl	риоп) VC	3011	cimi) VC	pro	stj	ingt	non	soil	Kimt	st
		Soil Taxonomic Unit		All soils	Max	Richmond vstl	McCain stsil	Snowville	All soils	Max	Blac'tett	Atepic vshl	Rake stl	Richmond vstl	Promo vcobsil	All soils	Мах	Promo vcobsil	Hufford extstsil	Rake stl	Goodington sl	Richmond vstl	All soils	Маз	Rake stl
		03				R	M	Sı	A.		M	A	R	N	P	A.		Ы	H	W.	Ğ	R	A		N N
		ton		ent																					
		Range Condition		Excellent					p							1							or		
		R		Exc					Good							Fair							Poor		

YIELD AND VEGETATION COMPOSITION

Upland Shallow Loam Range Site



M7-L-13000-276

RANGE YIELD AND COMPOSITION UPLAND SHALLOW HARDPAN (JUNIPER)

																	Spe	cies	Co	mpo	sit	ion	(Pe	rce	nt)										
			Total Ann	ual Yield					Gr	asse	S						F	orbs											Shi	rubs	3				
Range Condition	Soil Taxonomic Unit		orable Pars	Unfavor Year		Number of Plots	Ricegrass	ch Wheatgr.	ndthread	g Bluegrass	ltail	man Needlegr.	Whe		3	at		ctylon		ard	po			ea	ebrusn	denrod	rush	11e		pear	Pine		pea	Rabbitbrush	Sagebrush
		High	Average	Average	Low		Indian	Bluebunch	Needleandthr	Sandber	Squirreltai	Letterm	Western	Phlox	Mustard	Buckwhea	Gilia	Leptodactylon	Annuals	Hawksbeard	Goldenr	Daisy	Others		Dig Sageb	Bock Gold	1 0	Shadscale	Phlox	Pricklypear	Pinon F	(1)	Snakewe	Rubber	Black Sageb Bitterbrush
Good	All soils	2,426	1,881	914	749	60	6	7	2	2 T	Т	Т	-	Т	Т	T	T	Т	Т	Т	Т	Т	9	T	2	T :	r 1	Т	1	1	12	46	1	2	7 2
	Maximum each species	_	_	-	_	-	21	14	7	9 2	1	2	-	2	1	1	1 1	1	1	Т	1	2 1	LO	1 1	3	2	3 2	2 1	. 8	8	32	71	3	5	29 12
	Pavant loam	2,426	2,426	_	-	10	7	8	7	9 -	-	_	-	2	1	1	1 1	-	-	-	-	-	T	-	-	-				-	-	53	2	4	2 2
	Borvant cob1	2,043	1,610	749	749	30	8	4	2	ТТ	T	-	-	-	-	T :	Т	Т	-	Т	Т	1 1	LO	Т	4	1	_ 1	Т	T	-	16	43	2	2	3 4
Poor	All soils	_	-	_	-	_	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	_	- -			-	-	-	-	-	-
	Maximum each species	_	_	_	-	-	1	1	-		-	-	1	1	-	-		-	-	-	-	-	-	2	-	-	- 7	7 -		5	3	96	-	-	7
	Pavant cobl	2,427	1,857	_	-	20	Т	Т	-		-	-	Т	Т	-	-		-	-	-	-	-	-	1	-	_	- 4	4 -		2	2	85	-	-	4

RANGE YIELD AND COMPOSITION UPLAND SHALLOW SHALE (PINON-JUNIPER)

																		Sp	eci	es (Comp	osí	tio	n (I	erc	ent)							
		r	Total Ann	ual Yield					Gra	sses	3							For										Shr	ubs				
Range Condition	Soil Taxonomic Unit		rable ars	Unfavor Year		Number of Plots	ch Wheatgr.		Ricegrass	g bluegrass	ass	ltail	Needleandthread	Work Dandelion	Vetch	11ow			ous Sage	o.	pa	а	n Loco	Grape		eaf Mahogany	rry	cush	Pine	pear	Rabbitbrush		eat
		High	Average	Average	Low		Bluebunch	Tall Native	Indian F		Cheatgrass	Squirreltai	Needlea	Mt Dand	Poison	Globemallow	Loco	Buckwheat	Herbaceous	Utners	Stickseed	Arenaria	Skeleton	Oregon	Oakbrush	Birchleaf	Yellowbri	Horsebrush	Pinon F	Pricklypear	Rubber	Juniper	Phlox Buckwheat
Excellent	All soils	2,632	1,791	_	-	40	13	Т	Т 6	Т	_	-	-	1	T 1	T	Т	Т	Т				-	_	-	-	-	L	2	Т	Т	66	2 1
	Maximum each species	_	_	_	-	_	16	2	1 16	Т	-	-	-	2	1 4	1	2	2	1	-			-	-	-	-	-	1	9	1	1	75	4 5
	Atepic shaly cl	1,824	1,510	-	-	30	15	1	T 2	Т	-	-	-	1	T 1	T	-	-	-	-				-	-	-	-		-	-	T	73	2 2
	Menefee cl	2,632	2,632	_	-	10	7	-	- 16	-	-	-	-	-		-	2	2	1 1	.0				-	-	-	-	4 1	9	1	-	47	- -
Good	All soils	2,614	2,199	1,149	840	104	19	1	T 4	T	1	Т	T	Т	- П	T	Т	-	-	8	1 -	- -	- -	-	-	2	2	4 T	3	-	T	52	3 T
	Maximum each species	_	-	-	-	-	34	3	1 17	2	3	3	1	2	- 4	1	1	-	- 1	LO	4 -	- -		-	-	23	17 1	4 2	2 20	-	5	71	8 4
	Atepic shaly cl	2,500	2,500	1,149	840	84	18	1	T 5	T	1	Т	T	T	- Т	T	1	-	-	5	1 -	- -			-	-	-	4 -		-	-	60	4 T
	Menefee cl	2,614	2,050	-	-	20	26	-	- 2	T	Т	T	-	-		Т	-	-	-	5	- -				-	12	8	1 3	1 15	-	2	28	
Fair	All soils	-	-	-	-	-	-	-			-	-	-	-	- -		-	-	-	-		- -	- -	- -	-	-	-	- -	- -	-	-	-	- -
	Maximum each species	-	-	-	-	-	-				-	-	-	-		- -	-	-	-	-	- -				-	-	-	- -	- -	-	-	-	- -
	Atepic shaly cl	1,600	1,600	-	_	10	10	-	- 2	1	-	-	-	-			1	-	-	-	-	1 1	1]	L -	-	-	-	-	- -	-	1	81	1 -
Poor	All soils	1,833	1,833	-	_	10	-	-	- I	-	-	-	-	-		- -	-	-	-	-	-	-	- -	- 2	29	41	-	-		- -	- -	27	-

RANGE YIELD AND COMPOSITION UPLAND SHALLOW SHALE (PINON-JUNIPER) SUMMER PRECIPITATION

		таептоа	коск со	H	m
		- Franch [Phlox	7	5
		stnodsM		14	97
			Моттоп	8	17 4
		af Mahogany		6	28 1
	ps		4 non14	777	59 2
	Shrubs		Juniper	90	20 5
	S		Yellowb	E	2 2
			Service	m	12
ent			Bitterb	H	2 1
erc			Prickly	H	r-l
(P				H	
ion			вискире	H	
Sit			Native	H	8
odu			Leptoda	7	7
Cor	Forbs		Sievers		
Species Composition (Percent)	For	гра	Cryptan	1 1	1 2
eci			Mustard		
Sp			Actinea	7	
		Sunflower		-	m
			Bullgra	H	E
			Squirre	H	<u> </u>
	Grasses	Ricegrass		[
	ras		Dryland		
	S	Needlegrass	Desert 1	П	
		ndthread			4
		Sluegrass	Nevada 1	7	ν.
		Number of Plots		740	ı
		ible	Low	ı	ı
	al Yield	Unfavorable	Average	1	I
	Total Annual Yield	Favorable Years	Average	784	1
		Favo	High	696	ı
		Soil Taxonomic Unit		All soils	Maximum each species
		Range Condition		Excellent	

RANGE YIELD AND COMPOSITION UPLAND STONY CLAY

	1	poluep.	Rock Gol	-	4 1	-	m
			Yellowbr	-		1	1
			Aster	-	1 t	1	1
	ps	ear	Pricklyp	-	1 1	7	9
	Shrubs	prush	Big Sage	-	r 1	10	17
	0,		Serviceb		i	Н	7
		p:	Snakewee	1	- 1	2	2
		3.	вискирея	1	ı	Н	2
ĺ	H		Others	ı	1	H	-
		at	вискире	1	1		16
			slaunnA	1	1	0	9
		пскиреат	Ealse B	ı	- 1	-	2
(Percent)			БЪТОХ	ı	- 1	Н	7
erc		ικοτ	Wild Car	ı	1	П	m
1 (F	SC		noinO	1	I	m	00
tion	Forbs		Sedum	-	1	1 1	ı
Composition			Mustard			1	1
oduc		Toadflax	Bastard	-	1	H	Н
ů,		смревт	Mat Bucl			1	I
Species			Senecio	~		[-1	Н
Spe)OC	Balsamro	30		30	35
		TTOM	Стореша	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		H	
			Lupine				
		3±cegrass	I nsibnI	1	1	2	~
		Meedlegr.	Columbia	1			4
		Junegrass			I	<u> </u>	
	S		Muttong	1	1	H	<u> </u>
	Grasses	Sluegrass		1 14			1
	Gra		Dryland			n	
			Squirre			I	4
		Junegrass					
		ndthread		9 23		0 12	5 15
		Wheatgrass	mretseW			10	25
		Number of Plots		10	1	30	1
		Numbe of Plots				_	
			A			0	
		lb1e	Low	1	1	450	I
	pla	Unfavorable Years	9				
	Yie	ıfav Ye	Average	į.	1	450	1
	ual	d,				7	
	Total Annual Yield		Average	2		0	
	al	1e	era	692	1	1,900	1
	Tot	vorab	Av				
		Favorable Years	ų,	692	1	2,607	
			High		'	2,6	1
					e S		s S
		hit			eci		eci
		n o			sp		S Cd
		ıomi			ach		ach
		axor		ď	E 6	S	E E
		1 T;		Soi	Maximum each species	ioi	Maximum each species
		Soil Taxonomic Unit		All soils	Max	All soils	Мах
				A		A	
		Range Condition					
		Range		. •		н	
		Cor		Good		Fair	

RANGE YIELD AND COMPOSITION UPLAND STONY HILLS (JUNIPER)

			The state of the s														Spec	cies	Comp	osit	ion	(Per	cen	t)											
			Total Ann	ual Yield					(Grass	es								For	bs					-					Shr	ubs				
Range Condition	Soil Taxonomic Unit		rable ears	Unfavor Year		Number of Plots	Ricegrass		andthread	Junegrass	Basin Wildrye	ltail	Fescue	Th		Lily	ard	ses	non		þ	7005	allow	Goldaster	Sagebrush		eaf Mahogany	ypear	se	rush	Sagebrush	bed ush	rush		Sagebrush er Rabbitbrush
		High	Average	Average	Low		Indian Ric		Needlea	L4	1 11		Idaho F Sand Dr	Threeaw	Others	Phlox Sego Li	Hawksbeard	Pussytoe	Penstemon		Mustard	Others	Globemallow	Hairy (Silver	Low Sag	Birchleaf Pinon Pine	ick1	liffr	2	7	Snakeweed	Yellowbrus		Big Sag
Excellent	All soils	1,779	1,551	1,154	893	62	2 6:	2	4 T	Т		_		. _	Т	1 7	T	Т	т –	_	_			_	_	_			_		2	TI	1	22	3 7
	Maximum each species	_	-,551		_	-	5 90	+	· -						1	2 7	2	1	1 -	_	-		_	-	_	_	_	_	_	-	12	2 1	1	1	.0
	Sandall cobl low ppt	1,779	1,544	1,114	893	50	1 66		5 T	T		_		-	T	1 7	T	-		_	_			-	_	_	_	_	_	-	-	ТП	1	19	3
	Lodar rocky 1		-	1,234	1,234	10				-		-			-	2 7	T	1	1 -	-			- -	-	-	-		_	_	-	12	2 -	1	35	2
Good	All soils	2,017	1,709	757	642	100	3 20	2	2 1	1	4 1	-	T -		-	Т -		-	T T	T	Т	T	1	T	Т	3	1	3 1	1	2	1	Т -	. 1	45	4
	Maximum each species	_	~	-	-	_	20 6	8	11 14	7 1	.8 9	-	6 -		-	2 -		-	1 1	1	1	3	1 5	5	5	32	10 2	6 7	16	10	3	2 -	6	78 1	4 2
	Sandall cobl low ppt	2,017	1,769	-	-	20	- 4:	2 8	Т -	4	9 4	1	-		-	T -		-		-	Т	2	- 1	-	-	-	-		-	-	-		-	24	3
	Lodar rocky 1 & v rocky 1	1,960	1,749	_	-	30	3 20	T	- T	-	1 -	-	-		-	1 -		-	Т -	-	Т	-	r -	-	2	10	-		1	-	2	1 -	2	48	9
Fair	All soils	1,880	1,880	_	-	1	-	5 -		-		-	3 .		-	-		-		-	-	- 4	4 -	-	-	-	-		_	-	-		- -	85	3
	Maximum each species	-	-	-	-	_		- -		-		-	-		-			-		-	-	-		-		-	_	- -	-	-	-			-	-
Poor	All soils	2,876	2,625	-	-	12		- -	- 3	T	T -	T	- 6	3 7	-	-		-		T	-			-	-	-	_		-	-	4		- T	21	-
	Maximum each species	-	-	-	-			- -	- 4	1	1 -	1	- 70	8	-	-		-		1	-	-	- -	-	-	-	-	- -		-	27		- 1	65	-
	Polar stl	1,372	1,372		-	2		- -		1	1 -	1	-		-	-		-		1	-	-		-	-	-	-			-	27		1	65	-
	Sandall cobl	2,876	2,876	-	-	10		- -	- 4	-		-	- 7	8	-	-		-		_	-	-		-	-	-	-			-	-	-		12	-

RANGE YIELD AND COMPOSITION

UPLAND STONY HILLS (JUNIPER) SUMMER PRECIPITATION

															Sı	peci	es C	ompo	osit	ion	(P	erce	ent))								
		To	otal Anny	al Yield	1							Gra	asse	s							Fo	rbs						Shr	ubs			
Range Condition	Soil Taxonomic Unit	1	orable ears	Unfavoi Yeai	1	Number of Plots	ch Wheatgr.	iceg	Clve bluegr.	1 5		Grama	Wheatgrass	Junegrass	п	ltail	g pruegrass	SS			Goldaster	ın Vetch		1 - 1	Sageor usii	rush	Aster	Sagebrush	בווב	orush		
		High	Average	Average	Low		Bluebunch		Tall Nat	Needlea	Galleta	Blue Gr	Western	Prairie	Threeawn	Squirreltail	Cheaterass	Bullgrass	Phlox	Others	Hairy (American	Loco		DIACK		and I	Big Sa	Chalender	Bitterbrush	Inniner	Phlox
Good	All soils	2,200	1,567	561	561	13	16	5	1	2 2	2 T	2	Т	2	-	-		- -	Т	1	2	-	-	-	-	-	-	- 3.	5	1 7	30	0 2
	Maximum each species	-	_	_	_	_	21 1	L8	4 2	7 10	2	10	2	3	-	-		-	2	6	3	-	-	-	-	-	-	- 4.	5	6 5	5 40	0 2
Fair	All soils	1,940	1,887	481	481	24	2	3	T	- T	-	1	T	1	Т	Т	4]	_ -	-	4	-	1	-	-	-	-	1	4 1	6	- I	6.	1 T
	Maximum each species	-	-	-	-	_	2]	L6	1	- 1	L -	16	1	3	1	1	9 2	-	-	5	- (2	-	-	-	-	2 1	10 3	9	- 1	L 8	4 1
Poor	All soils	2,180	2,128	1,716	1,679	11	2	1	T	T -		-	-	Т	-	T		6	-	Т	-	-	1	Т	6	2	- 1	LO	1		- 7	0 -
	Maximum each species	-	-	-	-	_	4	2	1	Т -		-	-	1	-	1		- 16		Т	-	-	4	1 2	0	8	- 2	26	2	- -	- 7	7 -
																			1													

RANGE YIELD AND COMPOSITION UPLAND STONY LOAM

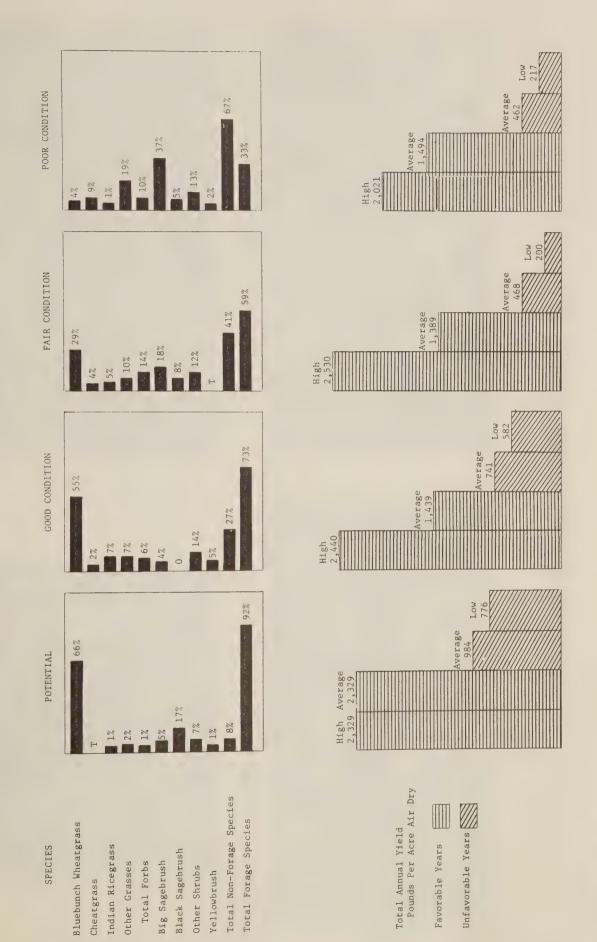
																					Spe	ecies	s Cor	mposi	tion	(Pe	ercer	ıt)														
			Total Ann	nual Yield							Gr	asse	s										F	orbs												Shrul	bs			, ,		
Range Condition	Soil Taxonomic Unit		rable ars	Unfavo Yea		Number of Plots	ch Wheatgr. Ricegrass	Bluegrass	g Rluegrass	eatgrass		ndthread	Junegrass	dge	wneargrass	y Bluegrass	Z				amroot	eard				tylon	g	Sunflower	×		nsh	Goldenrod	Oak af Mahogany	ea	ed		at	rush	Sagebrush	agebrush	sberry	Aster Rabbitbrush
		High	Average	Average	Low		Bluebunch Indian Ri	vada		Cheatgr Tall Na	Oniongr	Needleandthr Squirreltail	Prairie Juneg	Dryland	Western Sand Dr	Kentucky Blueg	Columbi	Senecio	Loco	Yarrow	Balsamr	Others	alla	Aster	Lupine	Leptodactylon	Mulesear	Herbaceous Little Sun	Toadflax	Juniper	Horsebrush	Rock Go	Gambel Oak Birchleaf	Mormont	Snakewe	Phlox	Winterf	Yellowh	Black Sagebr	Big Sag	Service	Woody Aster Rubber Rabbit
Excellent	All soils	2,329	2,329	984	776	30	64]	1 1	1	T 1	Т	_		_		-	- 1	Т	T	Т	T	T	т -	-			_		-		-	-			-	- 1	Т	1	6 17	5	-	
	Maximum each species	_	-	-	-	-	83 3	3 1	2	T 2	1	-		-	_ -	-	- 2	1	T 2	r 1	1	1	1 -	-			-		-			-		- -	-	- 2	1	2 1	9 31	10	-	
	Sterling cob1	2,329	2,329	-		10	83 -		2	T 1	1	-		-	_ -	-		-		- 1	1	1 .		-					-		-	-			-		-	-		10	-	
	Sanpete sil	-		776	776	10	66 -		Т			-		-		-		-	T	г -	-	-	1 -	-			-		-		-	-		-	-	- 2	-	-	- 31	-	-	
Good	All soils	2,440	1,439	741	582	70	53 7	7 -	-	2 2	-	4	1 T	Т	T -	-	- T	-	T -		T	5	- 1	T	T	T	Т		-		T	4	3 2	1	2	1 1	-	5		4	-	
	Maximum each species	-	-	-	-	_	88 28	8 -	-	18 17	-	40 1	3 1	3	3 -	-	- 4	-	1 -	- -	7	5 .	- 10	8	1 1	1	15		-		- 10	20 2	21 12	4	18 2	8 4	-	18		21	-	
	Zufelt vstl	-	-	660	600	1	90 -		-		-	-		-				-	- -		-	-		-			-		-		- 10	-			-		-	-		-	-	
	Bezzant vstl	-	-	710	710	1	21 28	8 -	-	18 -		-		-		-		-			-	-	- 3	8			-		-			-		-	-		-	-		21	-	
	Red Butte vstl	1,140	1,140	582	582	14	36 11	1 -	1	6 1	-	13	1 1	-		-		-	T -	- -	-	5		-	- 1	1	-		-			4		-	1	- 3	-	16		-	-	
	Lundy vgravl	1,322	1,322	-	- 1	10	36 -		-	1 2	-	-		-		-		-		- -	-	5 .	- -	-			-		-			- 2	21 12	4	-		-	6	- -	8	-	
	Pharo vstfsl	-	-	813	813	10	56	3 -	-	1 -	- -	-		-		-		-	1 -		-			-		-	-		-			20			13		-	-		6	-	
	Ricks gravl	2,440	1,646	-	-	5	80	4 -	-	T -		5		-			- -	-			1	2	- 6	-			-		-			-		- -	2		-	-		-	-	
	Sterling gravl	1,370	1,370	-	_	2	84 -		1			-		-				-			-	-		-			15		-			-	- -	- -	-		-	-		-	-	
Fair	All soils	2,530	1,389	468	200	93	29	5 -	T	4 3	3 T	1	TT	-	T 4	1	1 -	T	T ?	Т	1	6	- T	-	T -		Т	1 2	1	3 5	5 -		3 -	- -	1	1 2	-	T	- 8	18	T	TT
	Maximum each species	-	-	-	-	_	92 39	9 -	6	18 33	1	10	4 4	-	2 75	38	50 -	2	1	1 3	7	7	- 1	-	8 -		10	L1 16	20 2	23 48	3 -	- 2	29 -	- -	4	9 13	-	22	- 71	74	30	3 25
	Bezzant ext stl	-	-	370	370	1	32 16	6 -	-	38 -		-		-		- -		-	-		-	3		-			-		-			-		- -	-	- -	-	-	- -	11	-	
	Pharo stl	1,139	1,139	246	246	16	58 -		1	2 1	L -	-		-	1 -			-	-		-	1		-			-		-	- 30	- (-	- -	- -	2	- -	-	-		3	-	
	Zufelt	870	870	-	-	1			-	5 37	7 -	-		-	- -	- -		-	-		-	-		-			-		-			-			-	- -	-	22		-	30	
	Forsey stl	-	-	319	201	13			T	- 13	3 -	3	2 -	-	- -	- -		-	-	- -	-	5		-			-		-			-		- -	3	- 5	-	5	- 59	1	-	1 -
	Steed gravl	2,530	2,530	-	-	2	2 .		6	T -		-		-		- 38	50 -	-	-		-	1		-		-	-	3 -	-			-			-		-	-	- -	-	-	
	Hyrum cobl	1,105	1,105	-	-	2	58		4		- 5	-		-		- 4		-	-	- 3	-	-		-	8 -		-		20		- -	-			-	- -	-	-			-	
	Ricks gravl	1,435	1,435	739	739	15	16 2	9 -	-	11	1 -	-	- 1	-	- -	- -	- 1	. 1	-	1 -	3	6		-	1 -		-	3 -	1	17 .		-			-	6 -	-	2		1	-	
	Sterling gravl	2,022	1,900	_	-	6	37		-	1	1	-		-		- -		-	2		3	-		-			-	T 19	-	-		-			-		-	-		- 38	-	
	Munk gravl	1,430	1,430	734	734	6	57		-	-		-	- 1	-			- -	-	-		9	-	- 1	-			-	- 7	-	-		-			-		-	-		- 2	-	- 25

RANGE YIELD AND COMPOSITION UPLAND STONY LOAM continued

																	Sp	ecie	s C	ompo	sit	ion	(Pe	rce	nt)											
		ŗ	Total Ann	ual Yield							Gras	ses								I	Forb	s									Shr	ubs	-,			
Range Condition	Soil Taxonomic Unit		rable ars	Unfavor Year		Number of Plots	ndthread	ltail	Blueg	CII WIIEGER.	tive Bluegr.	Dropseed	Ricegrass	Wheatgrass	1 1			ous sage Sunflower		r Dock	0	at						rush	Sagebrush		Ø	ear		+	100	brush
		High	Average	Average	Low		Needleandthr	Squirrelt	Sandberg	Diuebuii	Tall Nativ	24 1	Indian	Slender	Western	Prairie	Lupine	Little Sun	l m	Mulesear	Cow Cab	Buckwhea	Mustard	Daisy	Others	Others	Juniper	Yellowbrush	Black S	Phlox	Mormontea	Pricklypear	Oakbrush	Bitterbrush Rubber Rabb		Big Sageb
Poor	All soils	2,021	1,494	462	217	153	1	3	2	4	9 1	8	1	2 1	1	T	1	T 2	2 1	1	Т	T	T ?	r 7	T 5	5 5	1	2	5	T	Т	2	1	2 1	r :	2 36
•	Maximum each species	-	_	-	_	_	8	11	16	9 4	4 6	76	5 2	0 17	26	3	13	2 24	15	12	1	2	3 (6 2	2 5	5 5	22	14	69	3	3 3	30	2 2	5 1	1 1	7 89
	Misc. Land Type (Beaver)	-	_	451	217	41	5	5	2	1 1	1 2	-	2		-	1	-			-	-			- 7	T 5	4	-	7	-	-	-	-	-	- 1	L i	7 47
	Wild Canyon	1,580	1,510	686	686	21	-	1	-	-	2 T	-	-		-	-	9			-	-	T		- -	- -	-	-	-	-	-	-	-	8 1	4 -	- 7	63
	Red Butte	_	-	542	542	10	-	2	-	4	3 2	-	-		-	-	-	- -	- -	-	-	-	- -		-	-	-	-	-	-	-	-	- -	-		- 89
	Manderfield	_	-	445	379	12	-	5	1	- 1	.2 T	-	-	- -	-	-	-		- -	-	-	-		- -	- -	-	-	-	-	-	-	-	- -	- -		- 82
	Butterfield	2,021	2,021	-	-	10	1	-	-	- 2	4 -	14	- 2	- 0	-	-	-	1 7	1	-	-	2				-	-	-	-	-	- 3	30		- -		
	Lundy vgravl	_	-	235	235	10	Т	-	16	9		-	Т		-	-	-			-	-	-				-	-	-	69	3	3				. 1	T
	Sanpete gravsil high prec.	1,465	1,465	-	-	10	-	-	-	- 1	.1 -	26	- 1	.3 -	-	-	-			_	-	-				-	-	-	-	-	-	-			-	_

YIELD AND VEGETATION COMPOSITION

Upland Stony Loam Range Site



POOR CONDITION

UPLAND STONY LOAM RANGE SITE



EXCELLENT CONDITION



GOOD CONDITION



FAIR CONDITION

RANGE YIELD AND COMPOSITION UPLAND STONY LOAM (JUNIPER)

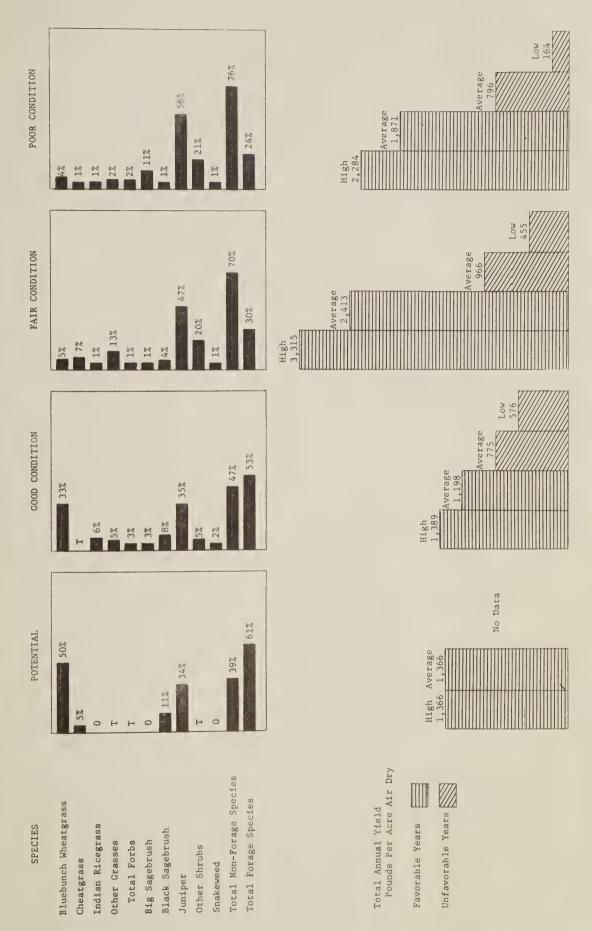
		J.	Junipe	34	1	30	99	31	30	42	7	40	7	47	09	09	₽	64	57	92	62	98	18
		eat	Виский	H	1	1	ı	1	1	1	1	1	1	H		H	1	ī	1	1	1	1	1
		Sagebrush	Black	11	ı	00	41	1	1	1	1	11	41	7	24	1	24	1	Н	4	1	- 1	2
		Pine	noniq	1	t	H		4	1	1	1	1	t	H	n	_	m	1	5	35	1	1	2
		уреаг	Prickl	1	1	Н	0	00	ı	ı	1	1	1	3	17	F	1	17	H	7	ı	1	1
			ьртох	ı	1	⊣	7	7	ı	E	1	€⊣	7	7	4	1	4	1		4	1	Н	7
		pəə	Suakew	1	t	7	00	7	-	00	-	7	€-4	-	3	[1	m		4	⊣		1
ıbs		pınsp	Kellow	1	1	7	9	⊱	m	1	n	7	1	H	c	1	1	1	⊣	4	1		1
Shrubs	-	Reprush		1	1	m	15	ł	m	e	15		1		6	7	1	1	11	94	31	_	1
S	-		Моттоп		1	<u>. </u>	3 1	1	1	_	-		1		7	1	7	<u> </u>			m_	1	
	-					7	00		_	·	1	4		-	1			<u>.</u>	- 10	- 50	<u> </u>		- 37
	-		Shadsc	<u> </u>	-				<u>.</u>		<u>'</u>							<u>'</u>					
		oldenrod	Bock G		<u>'</u>	Η	2		1	7	'	'	1		1	<u> </u>					<u> </u>		1
		ysnig	Bitteri	1	1	1	L	1	1	1	1	1	ı	⊢	2	_	1	1	Н	2	H	1	1
		ųs	Оакрии	1	1	1	1	1	1	3	ŧ	-1	1	6	25	9	18	1	1	1	1	-	1
T)	r)	nagodaM las	Вітсі	1	1	1	1	T	1	T	1	1	1	9	32	1	32	1	1	1	-1	1	1
(Percent)		ιτλ	Suowber	1	1	1	1	1	ı	1	1	1	1	1	- 1	ı	1	1	4	26	1	1	13
er			Aster	1	1	1	1	1	1	1	I	1	1	1	1	1	1	1	⊣	7	-1	1	
		122	Вискир	1	1	1	1	1	1	1	I	1	ı	₽	⊣	I	1	E	1	1	ı	1	1
ion	-			1	1	1			1	1	1	-	1	<u></u>	→	1	-	1	1	1	1	1	1
sit		2922 02	Flax		1	-	1	1	1	1	ı	1	1	H	E-4	H	1	L	1	1	1	1	1
pecies Composition Forbs	-	ages suos			1	1	,	-	-	-	,	1	1				1	-	-	H	<u>,</u>	H	
Con			slaunnA		-	1	-				-	1	1	H	H	-		-	-	-			
ies C Forbs		eq	Stickse	l .	1	1	1		1	1	1	1		-	<u>ش</u>						1	1	
Fc			Others	I	1	2	2	1	5	1	1	1	1	₽	<u></u>	1	1	1	[-1	⊣	←	⊢	⊢
Spe			Daisy	- 1	11	⊢	\vdash	-1	⊢	T	T	1	⊢	[\vdash	1	-1	-1	_	9	-1	H	3
		pard	Намкаре	1	1	П	5	1	2	ı	1	H	ı	1	ŀ	1	1	1	1	-1	1	ŀ	1
	-		Coldent	- 1	1	⊢	3	3	1	1	1	1	ŀ	1	1	-	1	i	ı	ı	ı	1	T
	-			EH	1	E	2	1	Н	1	1	1	1	-	1	ı	1	1	⊣	H	\vdash	1	1
	1		ьртох	H	1		1	-		1		1	1	1	1	1	1	ŀ		2	1	1	2
	_		Mustard		+				1		-		-			1	1		⊢	7	1		1
		Junegrass	Prairie				<u>.</u>			<u>.</u>		<u>.</u>		4			_	~	-	ı	1		1
		pəəsdo.	Sand Dr	1	1				,						1 22		<u>,</u>	- 22					1
	٠.1	ısı Needleg:	Letterm		1		<u> </u>	-! 	1						7	2							
	S	Wheatgras	Western	1	1	H	2	ŀ	7	1	1	1	1	- 1	1	ŧ		1	1		1		1
00	-	Ricegrass	Indian	I	1	9	20	3	2	20	7	00	1		1	1	F	П	-	9	⊢	1	Ω
Grasses	-	ndthread		- 1	1	7	6	Н	ı	6	2	I	F	9	16	00	- 1	4	E-4	Η	t	[1	1
Gra	.,	tive Blueg		1	1	7	12	E-1	ı	ı	12	[1	3	-	9	⊢	9	-	F	-	⊱	EI	ı
	-			E-4	1	<u>-</u>	7	2	1	-	1	E-1	1	Н	7	-	1	-	-	7	-	\vdash	4
	-		Squirre	H			6	E-1	2	1		-	1	E	-	1		1		2	H	Н	\vdash
	5		Sandber	2	-	⊣	2	H		H		П	1		18	11	1	prod		3	7	- 7	1
			Cheatgr		<u>.</u>									2		2 1	6	-	- 4	22	4	[11
		ch Wheatgr.	Bluebun	50		37	59	777	48	16	64	28	41		42					2			
		Number of Plots		10	1	91	1	11	20	10	10	30	10	55	1	32	10	10	73	1	21	22	20
						9,			17	876	931		576	455		455	872	99	164		710	841	164
		e	Low	1	1	576	ŧ	ŧ	717	8	9	1	57	4.	- 1	4	00	1,466	7	1	7	00	П
		ab]																					
eld.		Unfavorable Years	90			775			717	876	931		576	996		502	872	99	961		12	23	482
Yi		nfa	Average	- I	1	77	- 1	1	7	00	6	l.	5	9	1	5	00	1,466	7	1	1,012	1,123	4
al		Ď	Av																				
Total Annual Yield			9,	,,0		90		9	6			4		3		3			1,		34	72	
l A		0)	8 8	1,366	1	1,198	- 1	1,153	1,139	1	-1	1,234	- 1	2,413	-1	2,413	-1	-1	1,871	- 1	2,284	1,572	ŀ
tal		able is	Average	1,		-1		1,	Ξ,			H		2		2			П		2	7	
To		Favorable Years		10		6		6	6			6		5		5			34		34	72	
		Fav	Hígh	1,366	1	1,389	1	1,389	1,139	-1	-1	1,389	1	3,315	- 1	3,315	- 1	- 1	2,284	1	2,284	1,572	1
			Hí	-		-			۲			-		3		~			2		-64		
		Soil Taxonomic Unit		All soils	Maximum each species	All soils	Maximum each species	May Day	Phage cobl	Red Butte	Pharo vcobl	Fontrine vstl	Lundy vgravl eroded	All soils	Maximum each species	Mud Springs	Lundy cobl	Bagard vstl	All soils	Maximum each species	Red Butte	Misc. land type (Beaver)	Fontreen vstl
		Range S		Excellent A				Σ	PH.		14		post										
		Ra		Exce		Good								Fair					Poor				



M7-L-13000-277

YIELD AND VEGETATION COMPOSITION

Upland Stony Loam (Juniper) Grazable Woodland Site



RANGE YIELD AND COMPOSITION UPLAND STONY LOAM (SUMMER PRECIPITATION)

		epinsh	ges gia	15	30	7	84	—	ı	56	59	29
		ınsp	Bitterb	17	34	Н	17	1	1	1	ı	1
		Rabbitbrush	Киррет	4	00	ı	1	ŀ	1	l l	1	t
		pear	Prickly!	ı	I	7	18	ı	1	2	7	7
	SC	pə	Snakewe	1	1	Н	4	m	l .	ł	ı	1
	Shrubs	вверкизр	Black S	1	- 1	23	7.1	59	1	1	1	1
	S	ınsp	Yellowbi	1	- 1	7	11	ν.	1	1	1	1
			ьртох	1	- 1	ω	13	2	1	- 1	l	1
		ster	A yboow	1	- 1		m	-	1	1	1	1
		ц	Oskbrusl	ı	1	m	11	1		1	1	1
			вискирея	ı		H		. 1	H	1	1	1
		ages euc		1	1	H					I	
it)			Daisy	1	1	H	16	- 1		1		1
rcei			Penstem	1	1	H	П —			<u>-</u>		1
(Pe	sq		Jeupaio	1				- 2	<u> </u>	1	1	1
no	Forbs	sulol les		1	1	1		- 2	I	1		
iti			Mustard	'	1		3 10		t	1		1
pos.		MOTA	Globema		1	H	0 13		1	1	1	
Com		Saintbrush		1			- 10		<u>'</u>	- 2	- 2	- 7
Species Composition (Percent)		4-11244446	slaunnA I nethal	1	1	'	1	<u> </u>	1	m		m
eci		1	Threeawr	1	1	1	1	1	1	7	4	4
Sp			Cheatgra	1	1	- 7	47	1	47	2	7	N
			Blue Gra	ı	1		7 L	1	7 I	∞	63	m
		.iye Bluegr.		ı	1	2	31	13	ı	ı	9	1
		Junegrass		ı	1		11 3		- 1	1	1	1
			Squirrel	ı	1	m	16 1	7	m	14	14	14
	ses	ch Wheatgr.		1	1	4	47 1	1	2	7	8	80
	Grasses	Sicegrass	Indian F	1	1	~	10	ı	I	т	Υ	ω
	G	. Needlegr.	Letterma	1	1	2	87	m	3	1	1	T.
			Galleta	1	1	-5	96	ı	1	1	ı	T.
		Wheatgrass	Mestern	13	26	Н	20	1	1	ı	1	T.
		Sedge	Dryland	14	28	ţ	1	I	ı	ı	1	1
		ndthread	Needlear	19	38	1.3	29	2	29	1	1	ı
		Wheatgrass	Crested	18	36	3	33	1	I	l l	T	1
		Number of Plots		2	1	34	1	13	10	11	1	10
			Low	530	ŀ	201	1	201	ı	80	ı	125
	al Yield	Unfavorable Years	Average	710	1	335	ł	319	I	121	1	125
	Total Annual Yield	able	Average	I	ı	790	ı	1	624	ı	1	1
	I	Favorable Years	High	ı	1	1,270	1	ı	624	ı	1	1
		Soil Taxonomic Unit		All soils	Maximum each species	All soils	Maximum each species	Forsey stonyl	Mud Springs	All soils	Maximum each species	Mud Springs
		Range		poog		Fair				Poor		

RANGE YIELD AND COMPOSITION SEMIDESERT ALKALI FLATS

,		1												
		pod	Greasewo	31	61	1	94	19	50	75	42	75	- 1	1
		ysn.	Деттомри	H	H	H	1	H	ı	I	1	1	1	l l
	S	וב	Winterfa	7	00	9	- I	1	1	ı	1	I	1	l I
ıt)	Shrubs	ə.	Shadscal	26	58	56	7	4	30	71	39	H	100	1
cer	St	ΥĮ.	Gray mol	1	1	1	I	1	2	00	9	1	ı	1
(Per		Saltbush	Nuttalls	ı	ı	I	1	1	3	13	4	1	1	ı
Species Composition (Percent)		prush	Big Sage	ı	ı	I	ı	1	2	9	2	1	I	I
itic			Daisy	1	ı	1	1	1	EH	П	H	ı	I	1
008		u	Halogeto	t	1	t	1	1	H	П	H	ı	1	ı
Comp	Forbs	wo1.	Globemal	-	4	ı	I	4	I	I	ı	i	ı	1
ss (F		Poco	H	H	ı	1	Н	1	1	I	1	1	1
scie		ercup	Bur Butt	H	H	ı	E⊣	H		Н	H	-	1	ŧ
Spe			Annuals	H	H	H	1	H	Н	m	Н	1	1	1
	S	Wheatgrass	Western	9	17	1	10	6	₽	H	1	Н	1	1
	Grasses	icegrass	A nsibnI	9	00	9	1		t	1	ŧ	1	ı	1
	Gra	tail	Squirrel	31	37	32	36	20	00	19	4	19	ı	1
		Number of Plots		50	I	20	20	10	40	ı	30	10	m	I
		able	Low	1	1	ı	1	1	ı	ı	1	ı	853	1
	al Yield	Unfavorable	Average	i	ı	1	ı	1	ı	1	1	ı	853	1
	Total Annual Yield	Favorable	Average	1,354	ı	1,709	1,038	1,275	1,104	ı	1,101	1,115	ı	1
	I	Favorab	High	1,770	1	1,770	1,043	1,275	1,782	ı	1,782	1,115	1	ı
		Soil Taxonomic Unit		All soils	Maximum each species	Bram sil	Quaker sicl strongly saline alkali	Mellor sil	All soils	Maximum each species	Harding sicl & sil	Mellor sil	All soils	Maximum each species
		Range Condition		Poog					Fair				Poor	

RANGE YIELD AND COMPOSITION SEMIDESERT GRAVELLY LOAM

		pe	2ичк еме	E⊣	-1	1	1	1	1	1	
		ldenrod	Rock Gol	H	H	1	ı	1	1	ı	
		orsebrush	Spiny Ho	9	9	I		ı	ı	I	
	ps		Kellowbi	6	9	I	1	4	37	ı	
	Shrubs	spinsh	Big Sage	13	18	ı	ı	1	42	ı	
	S		Others	H	2	ı	ı	ı	ı	1	
			Shadscal	1	1	1	1	Н	1	ı	
t)			Pricklyp	I	1	ı	1	2	1	ı	
(Percent)		гріппер	Bud Sage	l I	I	1	E	n	I	ı	
Per			Others	I	1	I	I	ı	Н	1	
		191	Bur Clov	ı	1	1	I		ŧ	1	
tio		Woll	Globemal	H		l I	1	1	ı	1	
Composition	bs		slaunna	H	Н	1	l I	I	1	ı	
ошр	Forbs		Mustard	H	H	1	1	2	1	1	
			БЪТОЖ	H		I I	1	T.	1	1	
cie			Loco	H	⊢	1	1	I	1	1	
Species		сеудоп	Leptodac	H	H	I	ı	ı	I	1	
		31	вискмие	Н	7	1	1	I	1	I	
		Wheatgrass	Western	1	1	1	1	1	7	I	
		ndthread		1		l	1	1	4	4	
	ses	licegrass	Indian F	1	1	1	1	20	1	I	
	Grasses		Squirrel	1	1	1	1	6	7	I .	
	G		Cheatgra	4	7		1	25	1	1	
		Bluegrass		6	4	1	1	I		1	
		ch Wheatgr.	Bluebung	70	78	1			-	I	
		Number of Plots		20	ı	ı	ı	10	m	1	
		able s	Low	988	ı	1	ı	ı	244	ı	
	Total Annual Yield	Unfavora	Average	886	I	ı	ı	1	244	ı	
	Potal Ann	Favorable	Average	1,094	I	I	l	1,139	ı	ı	
	r.	Favoi	High	1,094	1	ı	ı	1,139	ı	ı	
		Soil Taxonomic Unit		All soils	Maximum each species	All soils	Maximum each species	Sanpete gravl	All soils	Maximum each species	
		Range		Excellent		Fair			Poor		

SEMIDESERT GRAVELLY LOAM (SUMMER PRECIPITATION)

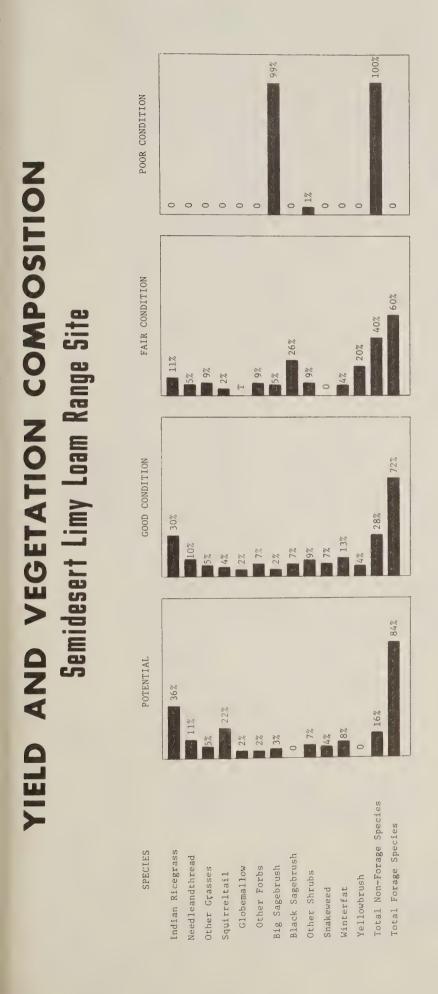
		þ	Suakewe		4	4		2	1	1	1	1
		ysn	Kellowbi	H	H	П	1	1	00	26	ı	1
		spinsy	Big Sage	7	20	20	5	7	72	98	98	66
	sq	Saltbush	Fourwing	m	5	ı	1	I	ı	Ī	1	1
	Shrubs	J.E.	вискире	-	7	1	ı	l	1	1	1	ı
	S	ysr	Horsebra	1	2	1	l	1	1	l	1	1
t)		рос	Greasewo	EH	m	· I	1	l .	1	1	1	1
(Percent)		PT	Shadsca	4	34	1	1	1		47		- 1
Per		71	Winterfa	2	17	1		1	H	<u>۳</u>	I	
			Others	ı	1	1	2	2	1			1
Composition	Forbs		Globema	2	ν.	7		I	[I	
osi	Fo	:ha	Cryptani	H	<u>۳</u>	<u> </u>		1	∞	36		1
omb			slsunnA	9	21	10		1		23	1	1
		SST	Cheatgra	1	1			1	<u> </u>	22	I	1
Species			Galleta	15	97 1	46	48	5.8	<u></u>			1
Spe		ndthread			4	- 4	112	16	- 7		1	1
	S	ch Wheatgr.				<u> </u>		. 12	1	1		
	asses	Bluegrass				1	- 1		H .		H	<u> </u>
	Gre		Bullgras	1 48	1 86		'	1	1	1		<u> </u>
		7, cegrass		H				1	- 2	_ 7	1	- I
			Sand Dro			- 2) 14	0 14			<u>'</u>	<u>'</u>
				<u> </u>	4 21		- 10	- 10		2 27		<u>'</u>
		[[Squirrel									
		Number of Plots		18	ı	9	12	ı	77	ı	20	10
		able s	Low	475	ı	475	1	1	255	1	1	255
	Total Annual Yield	Unfavorable	Average	475	I	475	I	ı	255	ı	ı	255
	Total Ann	Favorable	Average	1,578	1	ı	1,216	1	822	ı	820	ı
		Favo	High	1,900	1	ı	1,267	ı	006	ı	822	ı
		Soil Taxonomic Unit		All soils	Maximum each species	Crandal1	All soils	Maximum each species	All soils	Maximum each species	Hiko Springs	Sanpete
		Range Condition		Poog			Fair		Poor			

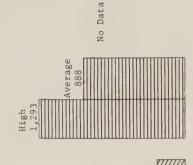
RANGE YIELD AND COMPOSITION SEMIDESERT GRAVELLY LOAM (JUNIPER-PINON)

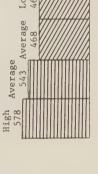
			Juniper	32	1	74	1	
		epınsp	Big Sag	37	1	1	1	
	nps	rush	Kellowb	12	ı	9	1	
	Shrubs	ea	Моттоп	Н	ı	I	ı	
		хотч	Woody P	-	I	Н	ı	
(Percent)		epinsh	Bud Sag	1	I	Н	ı	
erc			slaunnA	ı	ī	H	1	
			Daisy	\vdash	ı	I	ı	
ion	S	сєλјои	Leptoda	H	ě	m	ı	
Composition	Forbs		БЪТОХ	-	1	4	ı	
mpc	1		Mustard	E	ı	Н	1	
S		грз	Cryptan	\vdash	1	H	I	
Species			Loco	E1	1	I	- I	
ped		ch Wheatgr.	ВІчерип	ı	1	m	I	
\ S		ltail	Squirre	\vdash	1	ı	ı	
	sses	SSE	Cheatgra	\vdash	ı	П	1	
	ras			7	ı	Н	1	
	off bers Bluegrass dian Ricegrass addeandthread eatgrass eatgrass			2	1	1	l .	
		Sicegrass	Indian H	3	1	C	T .	
		Number of Plots		10	I	10	ı	
		able	Low	626	ı	I	I	
	al Yield	Unfavorable Years	Average	626	I	1	ı	
	Total Annual Yield	Favorable Years	Average	1	1	1,045	ı	
		Favor	High	ı	ŧ	1,045	1	
		Soil Taxonomic Unit		All soils	Maximum each species	All soils	Maximum each species	
		Range		poog		Fair		

RANGE YIELD AND COMPOSITION SEMIDESERT LIMY LOAM

	1	1																	
				Winterf		15	1	15	13	25	14	25	4	11			1	1	1
				Big Sag	m	9		9	- 2	9	<u> </u>		- 5	- 10		- 10	66 -	- 100	66 -
		r.nep		Rubber	9	12		112			1	2			<u>'</u>	<u> </u>		1	
				Snakewe	4		- 1	<u>د</u>	1 7	4 15	- 12					1	1	1	ı
				Воск Со	'	-			EH		<u>'</u>	· ·			1	1		1	1
			55.70.95	БЪТСК	,		-	- <u>'</u>		27		1	26	61	ŧ	1	1	1	ı
	Sc	4		Black S	1		· -	<u> </u>	7	9 2	2	ı				35	1		1
	Shrubs			Yellowb	<u>'</u>							H	- 20	- 47	- 47	<u> </u>	-	- 5	
	S			Prickly		· 1	-1					1	E		1	П	1	1	1
				Horsebr			-	<u> </u>	-	2 19	2 14	1	1	1	1	1	1	1	1
				Mormont	1		<u> </u>	-	1		1	1	H		1		1	1	1
				Вискире	1	1			1	1	1	1	6	21	1	1	1	1	ŧ
(Percent)				Shadsca	1	1	1	1		1	1	1	<u></u>	1 2	1	П	1	1 -	1
erc				False Y	1	1	1	1	1	T	1	1	-	7	ı	H	1	1	1
			73.	БЪТОХ	i	1	1	ŧ	1		1	<u> </u>	3	9	1	1	1	1	1
ion				Owlclov	1	1	1	1	1	1	1	1	7	m	1	1	1	1	-1
sit				Mustard	1	i	1	1	<u></u>		1	-	E	H	1	E-4	1	1	1
Species Composition				Hawksbe	1	ı	1	1	[-1	<u></u>	ı	1	1	1	1	ı	1	1	1
Col	ps		Pae	Daisy	ı	1	1	1	H	\rightarrow	1	1	E	H	1	E	1	1	ı
ies	Forbs		потулог	Leptoda	ı	ı	1	1	-	m	- 1	1	m	12	12	H	1	1	ı
pec				Огрега	1	1	1	1	4	1.5	2		4	-5	1	1	1	1	1
S			Ena	Cryptan	1	1	1	1	7	7	1	1	1	1	1	1	1	1	ı
				Loco	1	1	1	1	H	7	1	1	₽	2	1	7	ı	1	1
				slaunnA	1	1	- 1	1	H	H	1	1	H		H	Н	1	ŀ	ı
				Вискиће	- 2	3	1	3	1	1	1	ı	ı	1	1	1	1	1	1
				СТореша	7	3	Н	3	2	4	2	4	H	Н	1	П	1	1	1
	-			Galleta	F	1	1	1	1	ı	1	1	<u>[</u>	Н	1	1	1	1	I
		. 181	су муєя	nlabla	- 1	1	- 1	ł	ı	t	1	- 1	4	15	[15	1	- 1	ı
	0)			Needlea	11	18	18	4	10	23	- 1	17	5	9	9	2	ı	-1	1
	Grasses	rass	Wheatg	Western	m	9	9	1	Н	6	- 1	~	i	1	1	1	ı	1	ı
	Gr		sse	Cheatgr	2	3	3	2	4	5	4	-4	5	ı	H	10	I	ŀ	1
			ltail	Squirre	22	32	32	12	4	10	5	9	2	4	2	4	1	I	1
		SS	Ricegra	I nsibnI	36	40	32	40	30	53	41	36	11	23	23	15	1	ŀ	1
-	!	<u> </u>	+ 10																
		Nhor	of Plots		20	1	10	10	40	1	20	10	40	- 1	10	10	22	1	22
-				1>															
			ole	Low	1	- 1	1	1	468	1	1	1	306	1	1	- (1	1	1
	1d		Unfavorable Years	a															
	Total Annual Yield		fav Ye	Average	ı	ı	ı	ı	468	ı	1	1	331	1	1	1	1	1	ı
	al		Un	Ave					4				3						
	nuu																		
	.1 A		o)	Average	555	1	730	379	543	1	526	578	545	1	447	643	888	4	80
	ota		abl	Ave	2		_	C)	ις		ιΛ	ľΩ	ιζ		4	9	ω		ω
	T		Favorable	-	730		730	379	578		543	578	643		447	643	93		93
			14	High	7	1	7	37	57	1	25	5,7	79	1	747	79	1,293	-1	1,293
-						rn				(0)							• •	w.	
			t t			cie				cie				cie				cie	
			Un			spe				spe				spe	ер			spe	
			mic			ch				ch				ch	de			ch	
			опо			ea	oam	sl		ea	sl	oam		ea	mod	oam		6.8	
			Tax		118	mnm	n 1	v£	ils	mum.	vf	n 1	1118	mnm	nde 8r	n 1	ils	mum	
			Soil Taxonomic Unit		All soils	Maximum each species	Arapien loam	Lisade vfsl	All soils	Maximum each species	Lisade vfsl	Arapien loam	All soils	Maximum each species	Palisade mod deep over gravel	Arapien loam	All, soils	Maximum each species	ca
			Sc		A11	Zi	Ara	Lis	A11	Zi.	Lis	Ara	A11	Z	Pai	Ara	All	24	Decca
			nc		1t														
			Range Condition		Excellent														
			Rai ond:		xce.				Good				Fair				Poor		
			Ö		日日				Ğ				E.				Ъ		







No Data

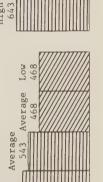
Unfavorable Years

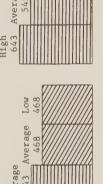
Favorable Years

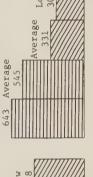
=Average

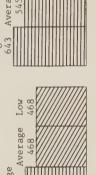
Total Annual Yield Pounds Per Acre Air Dry

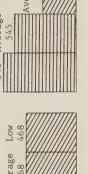












RANGE YIELD AND COMPOSITION SEMIDESERT LOAM

-	1		poo	Greasew	1	1	ı	1	1	F	1	t	ı	ı	1	1	1	1	ı	4	42	87	1
			eprush	Low Sag	1	ı	- 1	1	ı	1	ŧ	- 1	ı	1	1	1	1	1	1	4	77	ŀ	ı
			yen	Horsebr	H	Ξ	ı	ı	₽	1	1	1	1	I	1	1	1	1	1	1	1		ı
		-		Bitterb	H	4			H	1	-	- 1			1		1	1			- 1		
		-	pə	Snakewe	1 I	9			- t			- 2		- 7	- 23	<u> </u>	<u>س</u>	- I		m	4		<u>I</u>
		-	pear	l Juniper Pricklyl	E	2 14	1	1	1		E	1	<u> </u>	H	-	E-1	· ·	1					1
1		_		Yellowbi	-	7	EH	4	⊣	-		H	1	1	- 1	1	4	15	1	4	00	- 1	7
		Shrubs		Big Sage	18	44	14	34	11	37	10	9	1	20	55	~	38		ı	-2		7	. 1
1	1	Sh	Sagebrush	Тһтееті	-	9	Н	1	1	- 1	4	1	ı	1	1	- 1	- 1	1	- 1	- 1	ı	1	T
			j.	Winterfa	П	78	1	ı	T	T	1	1	78	27	75	42	14	41		[1		- 1	I
			s Saltbush	Nuttalls	H	4	i	ı	- 1	ı	1	ŀ	4	- 1	- 1	1	00	20			1		-1
		_		Shadscal	1	- 1	E		- 1	- 1	- 1	- 1	- 1	15	36				- 1	~		-	98
				agas bud	1	- 1	1	1	1			- 1	1	T 3	1 6	T 4		- 1			7	- 1	9
			28gebrush	Fringed Gray Mol		,	<u>.</u>	1	· ·		- 1		· ·	E						- 6	10	1	1
				Black Sa	1	1	1	1	1	1	ì	- 1	ı	1	1	1	1	- 1					ı
ı	T)			Halogeto	1	1	1	1	1	1	ı	1	1	H	H	€	2	24	1		12	1	1
	cen		Se	Pussytoe	H	H	ı	- 1	H	1	1	- 1	1	1	1	1	- 1	- 2	- 1	- 4	-	F	1
	(Percent)			noinO	H	⊢	1	1	[ł	F	1	1	1	- 1	1	1	1	- 1	ı	1	1	1
- 1	- 1			Mustard	[⊣	H	1	1	I	ŀ	1	1	1	H	H	H	1	ı	1	ı	ı	1	1
	Composition			Sego Li	H	2	- 1	ŀ	H	- 1	1	T	1	ı	1	I	I	I	- 1	- 1	- 1	- 1	1
	sodu		alisidī i		H	-	1	I	Η	1	- 1	1	1	ı	1	1	1	1	-	1	- 1	1	1
			Paintbrush		T	9 1	- 1	1	<u></u>	1	1		1	- 1	1	- 1	- 1	1	1	- 1	- 1	F	ŀ
	Species	bs		Penstemo	1 1	4	1	-	-	٦	- 4	1	1	[-	1	1	1	1	1	1	- 1	T
	pec	Forbs		Toadflas Lomatiur		7	<u> </u>	-		1		- 4	<u> </u>	<u>'</u>	-							-	1
	S	-		Aster	-	7		2	1	4	1	1	1	Ε.				· 	· ·	H	H	1	1
		-		roco	EH	2	1	-	5	-	1	1	1	-1	1	1	1	ı	1	1	1	1	1
		1	ard	намкарея	m	10	1	7	2	00	2	H	1	ı	- 1	1	- 1	- 1	ŀ	2,0-0	- 1	1	ı
			 ,	Annuals	7	2	H	H	Н	Н	H	⊢	E	1	ı	- 1	-		1	26	57	- 1	- 1
			30¢	Balsamro	4	14	10	I	4	ı	10	~	ı	ı	- 1	1	- 1	- 1	- 1	ı	1	1	1
				Others	5	6	6	4	4	4	6	2	T	2	7	ŀ	1	1	1	1	ı	1	1
				БЪТок	7	6	2	9	2	4	5	5	1		- 1			1		1	- 1	- 1	ŧ
				Stickse		-	-	-									- 5	010	- 1	-			
		-	Junegrass			-	-		-		·	1	1	- 2	9 -	1	- 24	- 100		- 6	- 19		
		}	Sicegrass		-	9	1	1	H	1	1	- 7	· ·	12	16	10	- 2		1	E1	-	1	- 7
		S	ndthread		9	47	1	1	7	ŧ	E1	36	1	-	-		1	1	1	Ī	1	1	- 1
	1	rasses		Cheatgra	2	23 4	2	-1	[H	1	2	-5	1	€→	[-1	[1	1	1	2	7	- 1	
		Gr	ltail	Squirre	3	22	3	П	1	11		į	18	7	13	10	1	1	1	5	24	9	2
			g Bluegrass	Sandberg	6	21	15	9	2	12	14	00	- I	7	13	9	-	7	1	П		1	1
				Тһигьег	3	21	12	-1	1	Η	14	⊱	1	1	-1	1	1	1	ı	T	1	-	1
			. igisədW da	руперипо	33	99	23	39	58	14	18	25	1	Η	⊣	- (- 1	- 1	1	1	1	- 1	1
			s		0.		07	160	240	220	240	160	10	31		20	17		-	22			2
			Number of Plots		1,270	-1	4	16	24	22	24	16	П	(-)	-1	74	1	1		CA	- 1		
H			Д Щ		-										_								
			Je	Low	297	ŧ	589	460	691	336	634	969	628	388	1	1	250	1	250	206	ī	1	332
		1d	Unfavorable Years																				
		Yie	fave	Average	568	1	589	562	700	436	663	705	628	388	1	1	709	1	250	412	ŀ	1	441
		al	Uni	Ave	5		5	5	7	4	9	7	9	n			9		2	4			4
		Total Annual Yield			10		00	00	2	0	7	7		6		2	6			7		0	
		al A	9	Average	926	1	868	798	943	750	1,107	767	-	1,159	1	1,162	1,499	1	ı	1,897	1	1,500	1
	ı	Tot	vorab]	Av																			
			Favorable	dg	1,356	1	868	798	1,356	750	1,256	1,198	1	1,287	ı	1,287	1,499	1	1	1,937	1	1,500	1
			p.c.	High	1,				1,		1,	1,		1,		r-î	1,			1,		1,	
						es									ies			ies			ies		
			Soil Taxonomic Unit			Maximum each species						11			Maximum each species			Maximum each species			Maximum each species		
			ic (h s						t s	(11)		s h	111)		s hs			ch s		am
			шoп:			eac		111			sil	ct s	il		eac	il infa		ead	7		ead	1	100
			axo		118	mnu	Sil	11	sil	sil	rth	0 63	1 s.	ils	mum m	l s	ils	田乙田	a	ils	四口田	a	inte
					All soils	axir	NeClay sil	Pancheri sil	Welby sil	Brunt sil	Roseworth sil	Portino ext st sil	Thiokol sil (low rainfall)	All soils	faxi	Thiokol sil (low rainfall)	All soils	laxi	Manassa cl	All soils	faxi	Manassa cl	Escalante loam
			Sod		A11	Ä	Nec	Pan	Wel	Bru	Ros	Por	Thi (A11	Ž	Thi (A11	24	Mar	A1.	AL.	Mar	ES
-			Ę.																				
			Range Condition		Excellent									-			L.			J.			
			Rar indi		xce.									Good			Fair			Poor			
														~									

RANGE YIELD AND COMPOSITION SEMIDESERT LOAM (SUMMER PRECIPITATION)

1 1	sgebrush	ic ppg	7	6	ı	1	1	1	1	t	1
-	уургизр		H	H	ı	1	H	2	i	7	1
1		Buckwi	[-1	H	1	1	H	7	1	ı	1
-	Aprush			9	1	1	-	15	1	1	1
		Shads	7	00	10	26	2	62	1	1	52
	veed	Snakev	00	23	7	10	2	24	1		1
Shrubs	яверхлер	Sig Sig	23	55	ı	1	97	95	24	94	1
Shı	ed Sagebrush	Fringe	9	15	7	17	⊱	9		1	
	fat:	Minter	m	9	2	9	7	18	<u> </u>	<u> </u>	1
	Sagebrush	Black	ı	ı	1	1	34	66	69	1	1
		ьртох	1	1	1	l l		7	1	1	
İİ	pooms	Grease	1	1	1	I .	-	59	1		48
	37.	Junipe	1	1	i	1	Н	31	1		1
	elisidT m	Russia	1	1	1	1	2	25		1	
	Э	Peavin	1	ı	2	4				1	
		Огрега	1	ı	E-1	50	H	2	H	E-1	1
	actylon	reptod	⊢	H	1	· · ·		1	<u> </u>		
	wolls	СТореш	H	H	1 ,	1	H	- 2		1	1
		Daisy	H		1		1			1	
Forbs	eat	Виский	-		1	1					-
Forbs		ьртох	H	7	<u> </u>	<u> </u>			E-1		
		Loco	H	- 7	1	<u> </u>	1			<u>'</u>	
Sherredo		Aster	H			2	H		-	'	
o p	поп	Penster	H		H				1	<u> </u>	
	S	Annual	- 6	746	<u>n</u>	00	T 2	4 15	'	.1.	1
	F	Mustar		7	1	'			H	 ⊢	
	pəə	Sticks		172		- 72	1		1	1	1
	Sargolaflug	False 1	<u>'</u>	1	- 5		- 2		<u> </u>	1	1
	E	Galleta	1			7 28		3 22	H	m	H
		Squirre	1 6	3 29	- 22	- 57	1	1	1	1	1
		Cheatgr	- 2		1	1	1	1	1	1	1
Grasses	ich Wheatgr.		H	1 25		10		15	m	1	1
ras	pəəsdo:	Id base	H			7	⊢	2 1	H	1	1
0	5502501112 -					43		00	1	1	1
	Wheatgrass		9	5 27	12 17	61 4	-	14	1	1	ı
		19 Suld		1 25	3	9	1.57		1	100	1
	ndthread			22 21	p(7		15	⊢	1	1
	Ricegrass	neibnl	11	- 2							
	Number of Plots		54	1	26	1	142	ı	65	12	4
	able	Low	365	1	278	1	287	1	322	i	142
al Yield	Unfavorable Years	Average	390	ì	288	1	359	1	393	ı	1
Total Annual Yield	able rs	Average	692	ı	969	1	1,236	ı	1,017	2,079	1
TC	Favorable	High	1,100	ı	720	1	2,079	1	1,229	2,079	ı
	Soil Taxonomic Unit			Maximum each species	ls	Maximum each species		Maximum each species		oam	
	Soil Ta		All soils	Maximu	All soils	Maxim	All sofls	Maxim	Ravola loam	Decca loam	Uvada
	Range Condition		poog		Fair		Poor				

RANGE YIELD AND COMPOSITION SEMIDESERT SAND

		poo	Greasew	H	H	1	Ħ	1	1	₽	11	39	1
		g Saltbush	Fourwin	E	₽	1	H	1	1	H		<u> </u>	1
		ųs	ndwaups		29	1	10	1	ı ı	58	1	1	ı
		Rabbitbrush	Киррег	Н	7	1	-	1	1	ω Ω	1	1	1
	Shrubs	eprush	Big Sag	12	45		15	1	ı	9	61	83	83
	Shr	rush.	X6JJowb:	9	39 4	2	7	1	1	1	9		
		orsebrush		H	4	4	1	1	1		1	1	1
			Bud Sag	ı	1	1		1	1	<u>-</u>	7		1
			Gray Mo	ı	1	1	1	1	1	1	2	9	I
			Shadsca		1	1	1	1	1	1		40	1
(Percent)			Poverty	1	1	1	1	1	1	· · ·	111	1 4	
erc		F11	Aster	ı	1	1	1	1		E-4	1		1
- 1			Sandbur	1	I						<u> </u>	· ·	<u>'</u>
Composition			Sand Li	=4	· ·	1		· ·				- 2	
sit	ps			E-4	H	1		· · ·		1	1		
odu	Forbs		Mustard	E		' I							
Cor			Scuripe					1		1	1		
es		Thistle		H	5	1		1	ı	1		- 5	E
Species		er	Beeflow	. [-	Н	1	[→		1	1	1	1	1
Sp		рәәми	Skeletor	H	4	4	1	1	1	1	1	1	1
			Annuals	4	15	15	H	1	1	I	1	1	1
		SS	Saltgra	2	7	1	2	1	ı	H	6	12	12
		Sacaton	Alkali S	2	00	1	m	I	ı	15	1	I	ı
		Wheatgrass	Western	[H	- 1	H	ı	1	Н	1	ı	1
	Grasses	SSE	Cheatgra	₽	H	ı	H	- 1	1	H	1	1	1
	ras	ike Wheatgr.	Тһіскар	E	Н	Н	1	ı	1	1	ı	1	T
	9	Ricegrass	Indian	47	96	15	58	1	1	00	Н	H	H
		Bluegrass	Nevada	H	Н	Н	ı	ı	1	1	ı	1	l .
		ndthread	Иееддеаг	14	57	57	I	1	1	1	I	ı	ı
		Number of Plots		80	ı	20	09	F	ı	10	14	ı	10
			Low	420	ı	869	420	8	ı	1	465	1	ı
	1 Yield	Unfavorable	Average	442	ı	869	442	1	1	1	465	ı	1
	nna												
	Total Annual Yield	Favorable Years	Average	774	ı	1,072	664	ı	ı	663	797	ı	797
		Favol	High	1,072	1	1,072	799	ı	ı	663	797	I	797
		Soil Taxonomic Unit		All soils	Max. each species	Dilts loamy sand	Yenrab fs high rainfall	All soils	Max. each species	Yenrab fs high rainfall	All soils	Max. each species	Yenrab fs high rainfall
		Range Sondition		Good				Fair			Poor		

RANGE YIELD AND COMPOSITION SEMIDESERT SAND (JUNIPER)

	Shrubs		еркигр	Big Sag	H	Н
Composition (Percent)	Shı			Juniper	34	35
erc	**		9	Scuripe	10	19
T)	Forbs		at	Вискиће	H	E
ior	FC			Mustard	9	13
sit			Thistle	Russian	4	7
mpo			ndthread	Иееддеа	2	ī
	es		pəəsdo	Sand Dre	14	27
Species	Grasses	٦٠	апк Мћеатв	Streamb	Н	7
pec	Gr		SSE	Cheatgr	2	0
S			Ricegrass	I naibnI	24	36
			<u></u>			N.
			Number of Plots		20	ı
			able s	Low	898	1
	sal Yield		Unfavorable Years	Average	898	I
	Total Annual		Favorable Years	Average	1,393	1
			Favorab	High	1,393	1
			Soil Taxonomic Unit		All soils	Maximum each species
			Range		Poog	

RANGE YIELD AND COMPOSITION SEMIDESERT SAND (SUMMER PRECIPITATION)

1	ı		ı					
			Bitterb	21	1	l .	1	1
	8	eprush	Big Sag	1	1	24	100	٧.
	Shrubs	де	Spadsca	1	1	32	40	40
	Sh		Greasew		ı	31	39	39
			Gray Mo	1	1	2	9	9
		еркизр	Bud Sag	1	1	9	∞	00
nt)			slaunnA	l .		1	1	<u> </u>
(Percent		Marigold	Desert			1	1	1
(Pe	S		Loco	1		ł	1	
on	Forbs		Sandbur	<u> </u>		1	1	ı
Composition	1		Filerie	I	15	1	1	1
pos		si	Euphorb	1			l	ı
Com		Thistle	Russian	1		2	2	7
			Others	0	H	ŀ	1	ı
Species		do	Tanglet	1	7	1	1	ı
Sp		ropseed	Spike Dr	ı	25	1	ı	ı
	S	SSE	Cheatgra	ı	EH	1	ı	ı
	Grasses	ле	Ked Bro	1		ı	I	1
	Gra	s Grama	Sixweeks	1	17	1	1	ŀ
			Galleta	1	19	1	I	I
		pəəsdo	Sand Dro	64	1	I	I	I
		ema	Blue Gra	21	1	1	I	1
		Number of Plots		2	10	Ŋ	1	7
		able	Low	825	759	270	ı	465
	al Yield	Unfavorab Years	Average	825	759	426	I	465
	Total Annual Yield	able	Average	I	I	1	ı	ſ
	H	Favorable	High	1	1	ı	ı	ı
		Soil Taxonomic Unit		All soils	All soils	All soils	Maximum each species	Sheppard sl
		Range		Good	Fi Si T	Poor		

RANGE YIELD AND COMPOSITION SEMIDESERT SHALLOW HARDPAN

			95	Winterf	6	18	1	18	H	. H	m
					7	m	m	Н	H	Н	1
			ЭŢ	Shadsca	4	7	N	- 1	18	35	13
		Shrubs	eprush	gas gia	9		7	9	18	37	1
		Shr	pə	Suakewe	2	4	4	H	H	Н	7
			agebrush	Black S	4	2	m	7	П	2	61
	ot)		pear	Prickly	1	1	1	1	H	П	t
	ercent)		at	Вискиће	ı	1	. 1	f	ı	1	Н
	(Pe			БЪТок	ı	ı	1	1	ı	I	2
	tion		ıə	Owlclov	l l	1	ı	1	1	1	5
	iti		Moll	СТореша	l	1		1	H	H	
	Composi	ps		slsunnA	1	1	1	1	H	[- 	1
	COE	Forbs	arrow	False Y	H				<u> </u>	1	1
	es.			Stickse	H		1		<u> </u>	1	<u></u>
	Species			Oyster				2			1
	S			Mustard	2 T	 H	1	3 1	<u> </u>	- I	I
	-			Mat Buc			٠		<u>'</u>		- 7
		S	ch Wheatgr. ndthread		8 29	5 44		777	1		2
		Grasses		Cheatgr	9	7 15	7 15	4		18	1
		Gra		Squirre	2	7		7	9	13 1	1
			Ricegrass		29	8 7	8 4 8	10	77	60 1	4
-		!			8	7	4		7	9	
			Number of Plots		20	t	10	10	20	I	10
			able	Low	I	1	1	1	1	1	306
		ıal Yield	Unfavorable	Average	ı	I	ı	l	l	i	306
		Total Annual Yield	Favorable Years	Average	728	ı	297	859	648	ı	ı
			Favo	High	859	1	597	859	691	ı	I
			Soil Taxonomic Unit		All soils	Maximum each species	Neola	Denmark	All soils	Maximum each species	All soils
			Range Condition		Excellent				рооб		Fair

RANGE YIELD AND COMPOSITION SEMIDESERT SHALLOW LOAM 8-10" PZ

-	Mahogany 1		H	0	1	4					
		Birchlea Birchlea		18 19		1	- I	1	1		1
		Snakewee		2 1	- 1	,	4 53	9 83	0 28	34	34
		котич			1	1	E	m	1 10	1 16	1 16
	abbitbrush			m	1	1	1	1	1	1	1
	3	вискирея	-	€	1	H		1			· · · · ·
Shrubs	ysn	Bitterbr	-	22	1	E	1	1			· ·
Shr	pinsh	Big Sage		42 2	36	17	I	1	1		1
		Pricklypi		7	— []		1	1		1	ı
		Yellowbr		П		H	m	11	1	1	1
	1	Winterfa		1	- 1	1	9	10 1		1	1
	ə	Shadscal	1	1	1	1	12	31 1	00	13	13
		Вискире	1	1	1	1		2	1	-	
		Fi noniq	1	1				1	28	80	1
	atntbrush		1	1	1	1		7	- 5	1	1
(Percent)	1	Borage	1	1			7	-7	T	1	1
erc		Mustard	1	1	1	1	7	- 4	-		7
	MOTI	Globemal Musterd	1	1	1	1	E-1	- 4	1	1	1
ioi		Sticksee	H	m	1	1	1	1	H	- 2	H
Composition		Balsamro	10	19	1	10	- 1	1	ı		1
For		Lomatium	H	4 1	2	-	1	1	1	1	1
		Annuals	-	4	H	E-4	H		1	<u> </u>	1
ie		Poco	⊱	00	4	1	1	1	-	- 5	· ·
Species	DIE	Hawksbes	9	11	00	7	1	1	1	1	1
0,1	Pat	Others	0	18 1	2	00	-	٠.	<u> </u>	,	1
		Phlox	7	8 1	2	7	2	2	· i	1	· ·
	ршт	Blue Gra	1	1	1	1	1	1	7		1
	Wheatgrass		1	1	1	1	-	-	1	1	1
		Sand Dre	H	-	1	i	1	1	1	1	1
		Bullgras	H	32	1	1	₽	ന	1	1	- 1
	/icegrass		H	11 3	1	1	2	13		2	7
es	ank Wheatgr.		H		1	1	1		1	1	1
Grasses	ndthread		H	12	1	E→	10	10	ı		1
Gr		Cheatgra	2			7	1		m	- 4	7
	Needlegrass		6	13		10		1		1	-
		Squirrel	7	16 1	12		[m	—————————————————————————————————————	9	1
	Bluegrass		2	m	7	7	1	1	1	1	1
	ch Wheatgr.		20 1	30 2	11	24 1	7	9	17	27	27
	<u> </u>		2								
	Number of Plots		450	1	40	320	40	ŀ	16		10
	ble.	Low	297	ŧ	297	487	150	ı	ŧ	11	ı
ual Yield	Unfavorable Years	Average	503	1	331	510	205	1	I	ı	ı
Total Annual Yield	Favorable	Average	695	ı	628	692	352	1	275	I	186
	Favo	High	750	1	750	740	431	ı	430	ı	186
	Soil Taxonomic Unit		All soils	Maximum each species	Brunt sil	Trevina ext st sil	All soils	Maximum each species	All soils	Maximum each species	Amtoft loam (low precipitation)
	Range		Excellent				Fair		Poor		

RANGE YIELD AND COMPOSITION SEMIDESERT SHALLOW LOAM 10-12" PZ

			ьртож	-	7	н	1	H	н	ы	
		abbitbrush	Rubber R	H	9	H	ı	н	12	н	
		P	Snakewee	H	н	H	1	2	16	'n	
		Winterfat		2	26	9	I	E-I	7	H	
	1 0	Mormontea		, H	근	E	1	1	1	1	
	Shrubs	Big Sagebrush		m	24	4	1	E-4	2	H	
	Shı	Pricklypear		H	4	1	4	1	l l	1	
		ßepınsy	Black Sa	12	51	6	24	23	34	23	
		31	рлскмрез		~~~~		1		2		
		ə	Shadscal	2	7	- 7		7	13		
			Yellowbr		33		1	21	35	21	
ent)		Pe	Sticksee	1	1	· · · · · · · · · · · · · · · · · · ·		E+	<u>-</u>	H	
(Percent)		777	Mustard	· H	·		<u>'</u>			H	
(Pe			Penstemo	H	- 7		<u>'</u>			· · · · · · · · · · · · · · · · · · ·	
ion		mo[v1	roco	H			1	<u> </u>	<u>'</u>	1	
sit		т:		H	4		<u>·</u>	· · ·		· · ·	
про	bs		Bladderp	E		E-4	<u>'</u>	<u> </u>	<u>'</u>	<u> </u>	
Co	Forbs		Bladderr		9	H	· ·	· · ·	· ·	· · ·	
Species Composition		40	slsunnA sedwysu8	1	9		· ·	1	1	1	
pec		dr	Butterer	E	н	H	· · ·	1	1	1	
S			Sandwort	H	m	H	1	1	1	1	
			Others	H	9	H	9	m	72	m	
	-		БРТОК		4		m		4	-	-
		υ	Lomatium	H	7	ı	7	1	I I	1	
	Grasses	Squirreltail		m	23	m	1	7	9	- 5	
		Needleandthread		m	17	H	17	1	1	1	
		Nevada Bluegrass		Н	2	н	1	H	4	H	
		Sandberg Bluegrass		7	7	2	_	m	7	m	
	Gr	sst	Сћеатвта	m	14	4	П	2	4	7	
		tcegrass	a nsibni	6	18	10	1	4	00	4	
		th Wheatgr.	Bluebunc	42	79	777	36	25	57	25	
		s er									
		Number of Plots		124	1	104	20	33	1	33	
-		Z A									
		<u>e</u>	Low	461	1	568	461	186	1	186	
	т	rab]									
	Total Annual Yield	Unfavorable Years	a 00 e	_		0		01		61	
	1 Y	Unf	Average	607	1	630	461	332	1	332	
	nua										
	. An		Average	777		151	17	750		750	
	tal	lble is		1,044	1	1,051	1,017	7	1	7	
	Ic	Favorable Years									_
		Far	High	1,506	1	1,506	1,017	1,356	ı	1,356	
			H	-				<u>_</u>		rí .	
		ц			Ies	>			Les		
		Uni			pec	90 90	- CO		pe c.	ਜ [*] -ਲ	
		nic			s q	. f1	av		h s	1	
		ouc			eac	8	100		eac	883	
		Тах		113	ntum	100	Cnob	118	E E	f1a	
		Soil Taxonomic Unit		so	Maximum each species	loam	re F	sof	Maximum each species	oft	
		So		All soils	Σ	Amtoft loam & flaggy loam	White Knob grav sl	All soils	Me	Amtoft flaggy l	
		g.								4	
		Range Condition		Excellent							
		Range		ce1				Good			
		ő		Δ				GO			

RANGE YIELD AND COMPOSITION SEMIDESERT SHALLOW LOAM (JUNIPER-PINON)

			sportpinsp	rupoer K		H		ı	
		-	Rubber Rabbitbrush			H	2		
		-	Yellowbrush Yellowbrush			H	H	H	
		-		Snakewee	+	H	E	H	
	100	-	Horsebrush			H	H	H	
	Shrubs	-	•	хотча	-		7	H	
	Shi	-	789	bricklyp	_ L		m	H	
		-		luntper		33	41	34	
		-	əu	Id moniq		36	42 4	37	
				Shadscal		H	2 4	1 3	
DE)		-	denrod	Rock Gol		4		4	
rce			тоти			Н	2	1	
Species Composition (Percent)			Evening Primrose			€⊣	H	E	
uo uo			Others			H	H	H	
iti			Bladderpod			H	H	H	
sodi			вискиревс			E-4	EH	H	
Con			Cryptantha			H	H	H	
es	S		Mat Aster			H	Н	E	
eci	Forbs		strtbrush	T neibal		⊱	Н	H	
Sr			Arenaria			H	H	H	
			Senecio			Ħ	H	H	
			Bitterweed			H	2	Н	
			Mat Astragalus			m	7	· w	
		L	Hairy Goldaster			Н	2	Н	
		L	Wat Buckwheat					H	
	_	_	Penstemon				H		
	es		Dryland Sedge				H		
	Grasses	_	Indian Ricegrass			H		H	
	Gr	_	Bluebunch Wheatgr.			- 5	9	<u> </u>	
-				Bullgrae	-	6	27	0	
			Number of Plots			31	1	30	
			Nun P1					**,	
			1e	Low		352	ı	352	
	P		rab			<u></u>		<u> </u>	
	ie1		Unfavorable Years	age		m		m	
	F K		Unf	ver		403	1	403	
	ınua			e A					-
	Total Annual Yield		ole s	rag		789	F	732	
			Favorable Unfavor Years Year High Average Average					(-	
						789	1	732	
						~~~~		,	
			nit				e s	н	
			υ Ü				рес	st	
			omi				th s	ley	
			xon			18	eac	Val	
			E			soi	Max. each species	i le	
			Soil Taxonomic Unit			111	M	Castle Valley sil	
						ıt A			
	Range Condition					ller			
			Rar			Excellent All soils			
			ŏ	1		豆			1

RANGE YIELD AND COMPOSITION

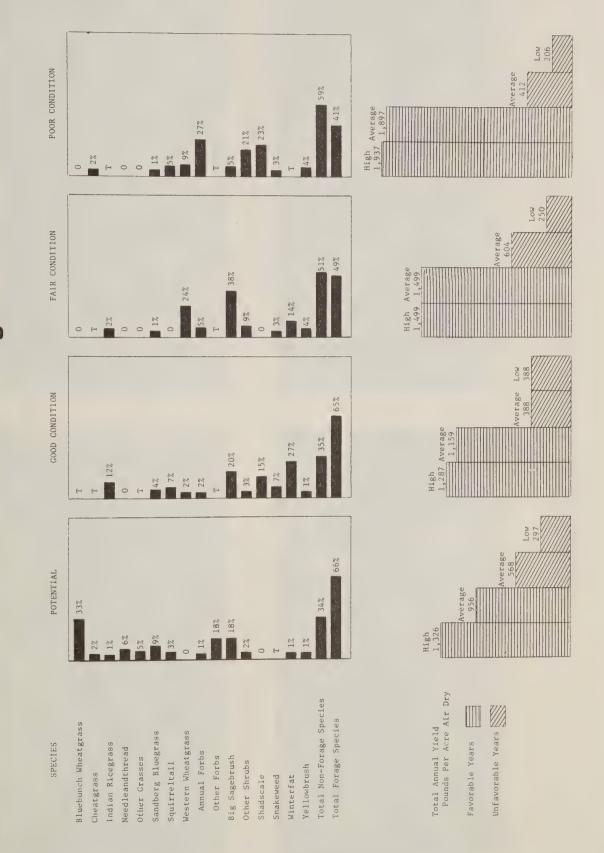
SEMIDESERT SILT LOAM

1	1	1	Hen Tan Tages	v rangev	H	T	1	1	H	₽	- 1	E	Ę		
		-	reh reppichrueh		<u>س</u>			2		<u> </u>	1	1	1	1	
		-	1890	EH	H	1	H	H	E	1	1	1	1	ı	
		ŀ		Bitterbr	[4			1	H	1	1	1	1	1	1
		-	Sagebrush		8		m	1	64.1	4	2	ı	1	1	1
	-	Shrubs		agas gid	13	21	15	18	5	14	20	15	80,4	1	1
	1	Shr		Winterfa	-	1			1		- 5	40	98	100	ı
1		-			1	1	1		1	.811.5	1	1 4	3		1
		+	Fringed Sagebrush Snakeweed		1	1	1	1	1	1	1	5	15	1	1
		+	Nuttalls Saltbush		1	1	1	1	1	-	1	7	5 1	1	1
		+	97,44[03	1	1	-	1	1	ŀ	1	-	1	1	70	
	-	+	uc	1	1		1	i	1		H	H	-	26 7	
1		1	Thistle		1	1	1	1	1	1	5	45	1	- 7	
	(Fercent)	-	. , , , ,	-	1	1	1	1	1	1	T	1 4	1	1	
1,	er	+	J.	Owlclove Aster	H	Ęi	1	1	1	1	H	1	1	1	. 1
- 1	- 1	m		Lomatium	-	2	1	1	1	1	4	1	1	1	ŧ
	Composition	Forbs		Penstemo	H	6	1	1	6	1	1	1	1	1	1
	231	Ĭ		4	10	H	5	7	4	4	ı	ŧ	1	1	
	d d	-		-	3	3	H	H	Н	-	E	7	1	- 1	
		+	1	Others	6	18	17	5	7	00	4	1	1	1	1
	Species	F	100	Balsamro	1	17 1	15]	12	10	12	1	1	1	1	1
	be	+		Намкврев	2	9	-		-4	-2	3	1	1	ı	ı
	-	+	Indian Ricegrass		1	ı	1	1	1	T	1	12	36	1	f
		+	Sand Dropseed		i	1	ı	1	1	- 1	ı	E-1	<del>-</del>	1	1
		-	Western Wheatgrass		ı	1	ī	1	1	1	1	10	27	ı	1
		1	Streambank Wheatgr.		H	H	- 1	ı	ı	H	ı	1	1	1	1
		-	Needleandthread		₽	H	ı	1	H	1	1	1	1	ı	1
		ses	Prairie Junegrass		H	H	1	1	H	ī	H	1	ı	Ī	1
		Grasses	Nevada Bluegrass		7	6	1	-	00	m	ı	ı	ı	1	1
	,	5	Сћеагвгавя		4	18	H	14	H	10	[-4	1	4	1	1
		1	Ltail		~	H	1	H	m	П	i	t	1	4	
		٤	Needlegrass	13	30	14	10	œ	18	11	1	,1	1	1	
		-	g Bluegrass	00	12	9	00	00	_	12	H	₽	ı	1	
		-	h Wheatgr.	Bluebunc	26	48	26	24	31	17	39	1	1	1	1
-			H												
			Number of Plots		096		240	120	160	300	140	31	1	2	10
L			P.1		6		7		-	· · ·					
				3	2		00	3	4	4	2	9			
			Unfavorable Years	Low	572	1	648	723	634	949	572	376	ı	ŧ	1
	1d		avora	9											
	Yie		ıfav	Average	662	i	849	723	634	682	621	442	-	1	1
	Total Annual Yield		ın	Ave	9		9	7	9	9	9	4			
	Annı														
	al /		le	Average	953	1	864	1,029	938	1,054	816	756	1	610	940
	ľotí		vorab] Years	Ave				1,		Η,					
			Favorable Years	_	99		864	9	8	9	7	و		0	0
			Ē	High	1,256	F	86	1,066	1,008	1,256	882	756	-1	610	940
-						ro.									
			#			ci e							tes		
	Soil Taxonomic Unit					spe		311					pec		
					ch		S t					٠,			
			ouo		Maximum each species	sil	xt	st		11		Maximum each species			
			Tax	11s	BUE	uf	(e)	rth	311	00	[1]3	200	138	18	
			#	80	axi	tnei	tin	ewo1	ly s	la1e	so	axia	sof	soi	
			So	All soils	Σ	Portneuf sil	Portino ext st sil	Roseworth sil	Neely sil	Newdale sil	All soils	Ma	All soils	All soils	
-	Range									,,,,,,	10-4	4		4	4
					Excellent										
					ce1							po		Li	or
					Ä							Good		Fair	Poor

RANGE YIELD AND COMPOSITION SEMIDESERT STONY LOAM

		91	Shadacal	5	26	ı	1	1	16	10	45	m	19	t	1	22	94	97	- 1	1
		ppsage	Spiny Ho	⊱	7	1	ı	1	-	-	4	1		1	1	- 2	4	4	1	
			bricklyp	H	E+	1	1	1	E-1	E		i	1			· ·				
			ьрток	E				1	E-1											
		· p:	Моттопте	₽						<u></u>		H		- 1		-	-2			
									-1	<b>⊢</b>		1	H	1	1	ŧ .			ŀ	- 1
			Yellowbr	2	7	2	+	- 1	4	7	9	- 1	2		3	-	9	- 1	58	1
1	co.	prush	Big Sage	00	20		20	4	4	13	47	1	14	37	30	1	1	1	18	4
1	Shrub	p:	Snakewee	-	4	EI	- (	-	2	2	10	9	⊢	-	-	7	m	Н	1	- 1
1	Sh	abbitbrush	Киррет К	H	Н	₽	1	- 1	- 1	ł	- 1	ı	- 1	- 1	- 1	1	- 1	1	1	1
		gebrush 8	Black Sa	9	20	12	ı	1	12	12	30	9	20	ŀ	- 1	17	20	20	- 1	ŧ
		3.	вискирея	ŀ	- 1	- 1	1	ı	1	$\vdash$	7	ł	1	- 1	2	2	4	- 1	1	1
		Υ.T.	Gray Mol	1	1	1	1	1	1	- 1	1	1	i	1	1	₽		- 1	1	1
		цs	Horsebru	1	- 1	-	ı	1	1	1	1	1	1	1	1	[-		1	1	1
			Yucca	<del></del>							1	1		1						
		lien zos		+				1		1						- 2	10		1	
			Bud Sage	1	<u> </u>											7	4	- 1		
ent	-		Greasewo									1		+			2		1	
(Percent)		Eli	Gaillar		- 1	- 1	- 1	F		F				1	- 1		ന	1	- 1	
(P.			Datey	'	1					H	7	1			1	~	9	9	ŀ	- 1
no			Aster	1	- 1	I		1	1	H		1	1	1	-	2	4	1	1	- 1
iti		селдоп	Leptodac	1	1	- 1	1	ŀ	- 1	H	4	⊢	1	1	4	1	1	- 1	1	1
Soc		3.5	вискирея	1	ı	1	I	- 1	l	H	2	H	- (	I	2	ı	- 1	ı	1	ŧ
Composition	ro.		Огрега	4	00	- 1	00	1	⊢	n	5	5	2	Н	ı	3	2	1	1	1
	Forbs		БЪТОХ	H	4	ı	4	- 1	- 1	H	П	- 1	ı	⊣	П	3	7	ı	ı	ı
Species	FC	300	Balsamro	m	6	ı	0	ı	1	I	- 1	ı	1	- 1	- 1	- 1	- 1	ı	1	1
Spe		ırd	Намкврез	2	7	ı	7	ı	- 1	- 1	- 1	1	ı	1	1	1	F	1	1	1
		14	рлскмрез	H	П	⊢	1	- 1	1	1	1	1	1	- 1	ı	1	1	1	1	- 1
			Astragal	H	-	⊣	1	- I	1	<del></del>	Н	1	1	1		í	ŀ	1	1	1
			Globemal	H	2		1	1	1	⊢			E-1	1			7	1	1	1
			sisunnA	1	1	1	1	1	1			1	1	1	1	⊢		1		
	}	unflower		1													7	1		
	-			1	1	1		-	1					1	· ·	ω.				
			Threeawn	1	·		· ·													
			Galleta													- 6	20			1
			Blue Gra	1	1		1	1	1					- 1		- 2	18	- 1		
	co	ndthread	Needlean	-	-5				- 7	. 7	9	4			9	4	6		1	t
	sse	Lisil	Squirrel			1		1	4	~~	13		2	13		5	9	5		1
	Gras	. Needlegr.	Thurbers	3	10	1	10	1	- I	1	1	F	1		1	1	I	1	1	1
-		Bluegrass	Sandberg	9	18	3	18	-	- 1	⊢	Τ	H	1	- 1	⊢	- 1	1	1	1	1
		sst	Cheatgra	3	7	4	2	5	4	00	18	11	4	18	-	Н	e C	3	16	1
		ticegrass	Indian R	14	48	3	1	1	44	36	62	58	31	29	2	00	18	18	3	4
		h Wheatgr.	Bluebunc	38	89	70	22	89	00	7	94	9	- 1	1	97	1	1	1	9	1
		Number of Plots		65	1	15	20	10	20	92	1	30	07	10	10	22	ı	10	-1	ı
	_	able	Low	997	ı	603	995	ı	597	267	1	306	267	ı	1	877	1	1	380	1
	Total Annual Yield	Unfavorable	Average	598	1	909	997	ı	099	366	1	306	393	1	1	875	i	1	380	1
	otal Ann	Favorable	Average	1,038	ı	1	773	1,303	ı	992	ı	805	689	604	920	902	1	715	ı	ı
		Favor	High	1,303	ŧ	1	773	1,303	1	920	ı	805	689	604	920	715	1	715	1	1
		Soil Taxonomic Unit		All soils	Maximum each species	Amtoft flaggy loam	Trevina ext st sil	Saxby vstl	Sampete grl & stl	All soils	Maximum each species	Sanpete stl	Sanpete stfsl	Sanpete gravl	Sanpete vcobl	All soils	Maximum each species	Sanpete stfsl	All soils	Maximum each species
		Range		Excellent						Good						Fair			Poor	

### Semidesert Loam Range Site



### SEMIDESERT LOAM RANGE SITE



GOOD CONDITION

**EXCELLENT CONDITION** 



POOR CONDITION



RANGE YIELD AND COMPOSITION SEMIDESERI STONY LOAM (JUNIPER-PINON)

1									
			Jaginul	. 31	20	34	34		
			4 noniq	F	16	47	47	1	
	ps		Prickly		H		<del></del>	1	_
	Shrubs	agebrush			9 1	m	<u> </u>	1	
	S		Shadsca	'		27	<u> </u>	1	
			Kellowb		1 6	13	1	<u> </u>	
nt)			Suakewe	1		- 7	H .	<u> </u>	
(Percent)		qsnaqe	Big Sag	r/s	7	- 12		- N	
(Pe			Others	1	<u>_</u>		<u></u>		
uo		37	Gumweed	ı		——————————————————————————————————————	H	<u> </u>	
Composition		+0	рлскмує: госо	·			1	<u>'</u>	
pos	Forbs	1107 622	reptoda			72	<u>'</u>		
Com	Fo	nolute	Daisy	1			<u> </u>		
				· · · · · · · · · · · · · · · · · · ·	<del></del>	4	<u>'</u>	<u>'</u>	
Species			Mustard	1	—————————————————————————————————————		· ·		
Sp		TIC	Penstemo	E	I	1	· ·	· · ·	
		ndthread			H		1		
		Bluegrass			- 7	-2	1	<u> </u>	
	es		Cheatgra	1 7	2	4	1		
	Grasses	ch Wheatgr.		1	22	36	1	ı	
	Gr		Squirrel	9	T 2	1			
		tcegrass		61	11	17	17	06	
-									
		Number of Plots		10	30	1	10	Н	
		ble	Low	1	616	ı	989	1	
	al Yield	Unfavorable	Average	1	802	ı	686	1	
	Total Annual Yield	able	Average	1,672	2,044	ı	ſ	1,405	
	TC	Favorable	High /	1,672	2,044	1	ı	1,405	
		Soil Taxonomic Unit		Kenilworth	All soils	Maximum each species	Kenilworth	Kenilworth	
		Range		Excellent	Good			Fair	

RANGE YIELD AND COMPOSITION SEMIDESERT STONY HILLS (SUMMER PRECIPITATION)

		, ,	Mormonte	7	6	2	14	42	14	1	1	1
		pe	Snakewee	EH	2	⊱	10	18	10	1	1	2
	-	ysr	Horsebra	00	20	00	$\dashv$	4	Н	1	I	55
	Shrubs	J.C.	Winterfa	EH	Н	H	H	H	₽	ı	Ī	7
	Shr	ysnz	Kellowbi	4	11	4	4	13	4	1	1	00
		ә	Shadscal	13	20	13	7	19	7	ı	1	, 1
ıt)		gebrush	Black Sa	9	10	m	ω	23	00	ı	1	19
(Percent)		spinsh	Bud Sage	4	6	4	H	E-I	H	1	1	ı
Per			Others	1	1	ı	1	1	I	1	1	H
		рәәмі	Skeletor	ı	ı	1	Н	4	H	1	1	ı
Composition	Forbs	γλ	Sego Li	ı	ŀ	1	H	Н	EH	1	ı	1
osi	Fo		slsunnA	1	ı	1	H	⊢	H	1	ı	ı
dwo		:ha	Cryptani	H	H	H	ı	1	1	1	1	1
1		U	Lomatiun	E		H	ı	1	ı	ı	1	1
cie		graegrass	Nevada I	H		H	H	H	H	1	1	1
Species		g Bluegrass		2	4	2	E-I	Н	⊢	1	1	1
Ü			Ked Bron	E	⊢	H	1	1	1	1	1	ı
	ses	ch Wheatgr.		37	54	37	14	30	14	Ť	1	1
	Grasses		Squirre	1 3	1 5	1 3	-	<u> </u>		1	1	E
	Gr		Cheatgra	2	7	7	4	7	- 4	1	1	7
			Galleta	9	18	9	29	37	29		1	
		Sicegrass		16	39 1	16	3	· π	3 2	1		
				H	3	Н						
		Number of Plots		40	ı	40	30	1	30	ı	ı	10
		orable	Low	316	1	316	ı	ı	ı	ı	1	ı
	ual Yield	Unfavorah Years	Average	394	ı	394	ı	ı	ı	ı	ı	ı
	Total Annual Yield	Favorable Years	Average	I	ı	ı	774	ı	774	ı	ı	419
		Favo	High	ı	ı	. (	006		006	I	1	419
		Soil Taxonomic Unit		All soils	Maximum each species	Checkett vcobl	All soils	Maximum each species	Checkett vcobl	All soils	Maximum each species	Checkett vcobl
		Range		Excellent			poog			Fair		

RANGE YIELD AND COMPOSITION SOUTHERN SEMIDESERT LOAM

1	l I				
(Percent)			Winterf	Н	4
rce	bs	ysn	dogibal	7	m
(Pe	Shrubs		ВТЗСКРГ	4	9
no	S	pə	Snakewe	18	27
Composition		rush 	Kellowb	2	m
pos	Forbs		Mustard	H	П
Com	Fo		рискире	r)	7.
	S	sse	Cheatgr	H	П
Species	Grasses	əu	Ked Bron	<b>~</b>	H
Sp	Gr		Galleta	65	88
		Number of Plots		30	ı
		able s	Low	1	ı
	Total Annual Yield	Unfavorable Years	Average	ı	1
	rotal Ann	Favorable Years	Average	585	I
		Favo	High	670	ı
		Soil Taxonomic Unit		All soils	Maximum each species
		Range		Excellent	

RANGE YIELD AND COMPOSITION SOUTHERN SEMIDESERT SAND

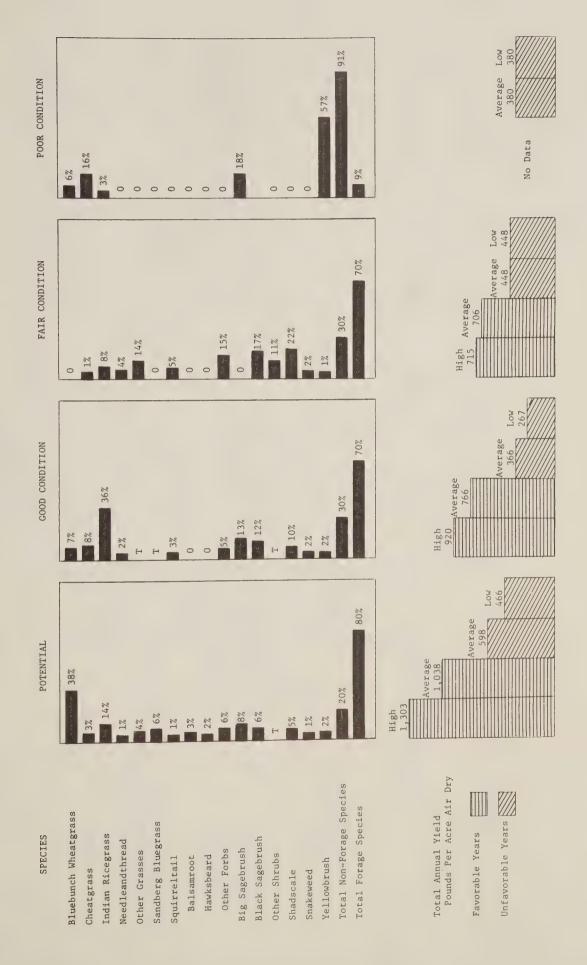
Total Annual Yield	Total Amnual Yield						
Number Vears High Average Low Sand Sagebrush Crocon Species Composition (Percent)  Number Vears High Average Average Low Sand Sagebrush Croton Crocons Sand Sagebrush Croton Crocons Sand Sagebrush Croton Connected Sand Sagebrush Croton Crocons Sand Sagebrush Croton Cheatgrass Sand Sagebrush Croton Cheatgrass Sand Sagebrush Croton Cheatgrass Sand Sagebrush Croton Cheatgrass Sand Sand Sagebrush Croton Cheatgrass Sand Sagebrush Croton Cheatgrass Sand Sagebrush Croton Cheatgrass Sand Sagebrush Croton Cheatgrass Sand Sagebrush Croton Cheatgrass Sand Sagebrush Croton Cheatgrass Sand Sagebrush Croton Cheatgrass Sand Sagebrush Croton Cheatgrass Sand Sagebrush Croton Cheatgrass Sand Sagebrush Croton Cheatgrass Sand Sagebrush Cheatgrass Sand Sagebrush Cheatgrass Sand Sagebrush Cheatgrass Sand Sagebrush Cheatgrass Sand Sagebrush Cheatgrass Sand Sagebrush Cheatgrass Sand Sagebrush Cheatgrass Sand Sagebrush Cheatgrass Sand Sagebrush Cheatgrass Sand Sagebrush Cheatgrass Sand Sagebrush Cheatgrass Sand Sagebrush Cheatgrass Sand Sagebrush Cheatgrass Sand Sagebrush Cheatgrass Sand Sagebrush Cheatgrass Sand Sagebrush Cheatgrass Sand Sagebrush Cheatgrass Sand Sagebrush Cheatgrass Sand Sagebrush Cheatgrass Sand Sagebrush Cheatgrass Sand Sand Sagebrush Cheatgrass Sand Sand Sagebrush Cheatgrass Sand Sand Sand Sand Sand Sand Sand Sand	Total Amnual Yield  Total Amnual Yield  Total Amnual Yield  Favorable			ysn	dogibal	2	20
Number Favorable Unfavorable Unfavorable Vears Forbs  Number Vears High Average Low Cheatgrass Composition (Percent)  Number Vears Favorable Unfavorable Vears Forbs  Ports Soil Taxonomic Unit Vears Vears Favorable Vears Forbs  Number Vears Favorable Vears Favorable Forbs  Number Vears Favorable Vears Favorable Forbs  Number Vears Favorable Vears Favorable Forbs  Number Vears Favorable Vears Favorable Forbs  Number Vears Favorable Vears Favorable Forbs  Number Vears Favorable Vears Favorable Forbs  Number Vears Favorable Vears Favorable Forbs  Number Vears Favorable Vears Favorable Forbs  Number Vears Favorable Vears Favorable Forbs  Number Vears Favorable Vears Favorable Forbs  Number Vears Favorable Vears Favorable Forbs  Number Vears Favorable Vears Favorable Forbs  Number Vears Favorable Vears Favorable Favorable Favorable Favorable Favorable Favorable Favorable Favorable Favorable Favorable Favorable Favorable Favorable Favorable Favorable Favorable Favorable Favorable Favorable Favorable Favorable Favorable Favorable Favorable Favorable Favorable Favorable Favorable Favorable Favorable Favorable Favorable Favorable Favorable Favorable Favorable Favorable Favorable Favorable Favorable Favorable Favorable Favorable Favorable Favorable Favorable Favorable Favorable Favorable Favorable Favorable Favorable Favorable Favorable Favorable Favorable Favorable Favorable Favorable Favorable Favorable Favorable Favorable Favorable Favorable Favorable Favorable Favorable Favorable Favorable Favorable Favorable Favorable Favorable Favorable Favorable Favorable Favorable Favorable Favorable Favorable Favorable Favorable Favorable Favorable Favorable Favorable Favorable Favorable Favorable Favorable Favorable Favorable Favorable Favorable Favorable Favorable Favorable Favorable Favorable Favorable Favorable Favorable Favorable Favorable Favorable Favorable Favorable Favorable Favorable Favorable Favorable Favorable Favorable Favorable Favorable Favorable Favorable Favorable Favorable Favorable Favorable Favorable Favorabl	Total Amnual Yield  Total Amnual Yield  Total Amnual Yield  Total Amnual Yield  Total Amnual Yield  Years  Number  Years  Number  Years  Plots  Taxonomic Unit  Years  Number  Years  Plots  Taxonomic Unit  Years  Plots  Taxonomic Unit  Years  Plots  Taxonomic Unit  Years  Plots  Taxonomic Unit  Years  Plots  Taxonomic Unit  Years  Plots  Taxonomic Unit  Years  Plots  Taxonomic Unit  Years  Years  Years  Years  Years  Years  Years  Years  Years  Years  Years  Years  Years  Years  Years  Years  Years  Years  Years  Years  Years  Years  Years  Years  Years  Years  Years  Years  Years  Years  Years  Years  Years  Years  Years  Years  Years  Years  Years  Years  Years  Years  Years  Years  Years  Years  Years  Years  Years  Years  Years  Years  Years  Years  Years  Years  Years  Years  Years  Years  Years  Years  Years  Years  Years  Years  Years  Years  Years  Years  Years  Years  Years  Years  Years  Years  Years  Years  Years  Years  Years  Years  Years  Years  Years  Years  Years  Years  Years  Years  Years  Years  Years  Years  Years  Years  Years  Years  Years  Years  Years  Years  Years  Years  Years  Years  Years  Years  Years  Years  Years  Years  Years  Years  Years  Years  Years  Years  Years  Years  Years  Years  Years  Years  Years  Years  Years  Years  Years  Years  Years  Years  Years  Years  Years  Years  Years  Years  Years  Years  Years  Years  Years  Years  Years  Years  Years  Years  Years  Years  Years  Years  Years  Years  Years  Years  Years  Years  Years  Years  Years  Years  Years  Years  Years  Years  Years  Years  Years  Years  Years  Years  Years  Years  Years  Years  Years  Years  Years  Years  Years  Years  Years  Years  Years			g Saltbush	Fourwin	EH	2
Number   Pavorable   Number   Pavorable   Number   Pavorable   Number   Pavorable   Number   Pavorable   Number   Pavorable   Number   Pavorable   Number   Pavorable   Ports   Ports   Para   Ports	Total Annual Vield  Total Annual Vield  Total Annual Vield  Total Annual Vield  Number  Years  Number  Years  Number  Years  Plots  Orders  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average		co	рә	Snakewe	E	H
Number   Pavorable   Number   Pavorable   Number   Pavorable   Number   Pavorable   Number   Pavorable   Number   Pavorable   Number   Pavorable   Number   Pavorable   Ports   Ports   Para   Ports	Total Annual Vield  Total Annual Vield  Total Annual Vield  Total Annual Vield  Number  Years  Number  Years  Number  Years  Plots  Orders  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average  Average		rub	at	Вискиће	H	7
Total Amnual Yield	Total Annual Vield  Total Annual Vield  Total Annual Vield  Favorable Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Verence  Verence  Verence  Verence  Verence  Verence  Verence  Verence  Verence  Verence  Verence  Verence  Verence  Verence  Verence  Verence  Verence  Verence  Verence  Verence  Verence  Verence  Verence  Verence  Verence  Verence  Verence  Verence  Verence  Verence  Verence  Verence  Verence  Verence  Verence  Verence  Verence  Verence  Verence  Verence  Verence  Verence  Verence  Verence  Verence  Verence  Verence  Verence  Verence  Verence  Verence  Verence  Verence  Verence  Verence  Verence  Verence  Verence  Verence  Verence  Verence  Verence  Verence  Verence  Verence  Verence  Verence  Verence  Verence  Verence  Verence  Verence  Verence  Verence  Verence  Verence  Verence  Verence  Verence  Verence  Verence  Verence  Verence  Verence  Verence  Verence  Verence  Verence  Verence  Verence  Verence  Verence  Verence  Verence  Verence  Verence  Verence  Verence  Verence  Verence  Verence  Verence  Verence  Verence  Verence  Verence  Verence  Verence  Verence  Verence  Verence  Verence  Verence  Verence  Verence  Verence  Verence  Verence  Verence  Verence  Verence  Verence  Verence  Verence  Verence  Verence  Verence  Verence  Verence  Verence  Verence  Verence  Verence  Verence  Verence  Verence  Verence  Verence  Verence  Verence  Verence  Verence  Verence  Verence  Verence  Verence  Verence  Verence  Verence  Verence  Verence  Verence  Verence  Verence  Verence  Verence  Verence  Verence  Verence  Verence  Verence  Verence  Verence  Verence  Verence  Verence  Verence  Verence  Verence  Verence  Verence  Verence  Verence  Verence  Verence  Verence  Verence  Verence  Verence  Verence  Verence  Verence  Verence  Verence  Verence  Verence  Verence  Verence  Verence  Verence  Verence  Verence  Verence  Verence  Verence  Verence  Verence  Verence  Verence  Ver		Sh		Yucca	H	ËH
Total Annual Yield	Total Annual Yield  Total Annual Yield  Total Annual Yield  Total Annual Yield  Years  Soil Taxonomic Unit  Years  Years  Washing  High Average Low  Maximum each species  All soils  All soils  All soils  And soils  And soils  And soils  And soils  And soils  And soils  And soils  And soils  And soils  And soils  And soils  And soils  And soils  And soils  And soils  And soils  And soils  And soils  And soils  And soils  And soils  And soils  And soils  And soils  And soils  And soils  And soils  And soils  And soils  And soils  And soils  And soils  And soils  And soils  And soils  And soils  And soils  And soils  And soils  And soils  And soils  And soils  And soils  And soils  And soils  And soils  And soils  And soils  And soils  And soils  And soils  And soils  And soils  And soils  And soils  And soils  And soils  And soils  And soils  And soils  And soils  And soils  And soils  And soils  And soils  And soils  And soils  And soils  And soils  And soils  And soils  And soils  And soils  And soils  And soils  And soils  And soils  And soils  And soils  And soils  And soils  And soils  And soils  And soils  And soils  And soils  And soils  And soils  And soils  And soils  And soils  And soils  And soils  And soils  And soils  And soils  And soils  And soils  And soils  And soils  And soils  And soils  And soils  And soils  And soils  And soils  And soils  And soils  And soils  And soils  And soils  And soils  And soils  And soils  And soils  And soils  And soils  And soils  And soils  And soils  And soils  And soils  And soils  And soils  And soils  And soils  And soils  And soils  And soils  And soils  And soils  And soils  And soils  And soils  And soils  And soils  And soils  And soils  And soils  And soils  And soils  And soils  And soils  And soils  And soils  And soils  And soils  And soils  And soils  And soils  And soils  And soils  And soils  And soils  And soils  And soils  And soils  And soils  And soils  And soils  And soils  And soils  And soils  And soils  And soils  And soils  And soils  And s			gebrush	Sand Sa	20	35
Total Annual Yield	Total Annual Yield  Total Annual Yield  Total Annual Yield  Favorable Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Ve			63	Моттоп	15	34
Soil Taxonomic Unit Favorable Vears   Number Years   Plots	Total Annual Yield  Favorable Unfavorable Of Soil Taxonomic Unit Favorable Unfavorable Of Soil Taxonomic Unit Favorable Unfavorable Of Soil Taxonomic Unit Favorable Unfavorable Of Soil Taxonomic Unit Favorable Unfavorable Of Soil Taxonomic Unit Favorable Unit Soils				Croton		H
Soil Taxonomic Unit Favorable Unfavorable Of Years Plots  High Average Average Low Maximum each species 20 6 35 T T 37 11 1	Total Annual Yield  Soil Taxonomic Unit  Years  High Average Average Low  Maximum each species  Total Annual Yield  Total Annual Yield  Number  Years  Years  High Average Average Low  Maximum each species  40 13 2 13 T T 9 3 T T 37 11 1	Œ.			Огрега	5	19
Soil Taxonomic Unit Favorable Unfavorable Of Years Plots  High Average Average Low Maximum each species 20 6 35 T T 37 11 1	Total Annual Yield  Soil Taxonomic Unit  Years  High Average Average Low  Maximum each species  Total Annual Yield  Total Annual Yield  Number  Years  Years  High Average Average Low  Maximum each species  40 13 2 13 T T 9 3 T T 37 11 1	cen		Woll	СТореша	H	H
Soil Taxonomic Unit Favorable Unfavorable Of Years Plots  High Average Average Low Maximum each species 20 6 35 T T 37 11 1	Total Annual Yield  Soil Taxonomic Unit  Years  High Average Average Low  Maximum each species  Total Annual Yield  Total Annual Yield  Number  Years  Years  High Average Average Low  Maximum each species  40 13 2 13 T T 9 3 T T 37 11 1	Per	-	Thistle	Russian	4	16
Soil Taxonomic Unit Favorable Unfavorable Of Years Plots  High Average Average Low Maximum each species 20 6 35 T T 37 11 1	Total Annual Yield  Soil Taxonomic Unit  Years  High Average Average Low  Maximum each species  Total Annual Yield  Total Annual Yield  Number  Years  Years  High Average Average Low  Maximum each species  40 13 2 13 T T 9 3 T T 37 11 1	l ü	rbs		Filerie	H	<b>-</b>
Soil Taxonomic Unit Favorable Unfavorable Of Years Plots  High Average Average Low Maximum each species 20 6 35 T T 37 11 1	Total Annual Yield  Soil Taxonomic Unit  Years  High Average Average Low  Maximum each species  Total Annual Yield  Total Annual Yield  Number  Years  Years  High Average Average Low  Maximum each species  40 13 2 13 T T 9 3 T T 37 11 1	tio	Fo	fa	Euphorb	en en	Ħ
Soil Taxonomic Unit Favorable Unfavorable Of Years Plots  High Average Average Low Maximum each species 20 6 35 T T 37 11 1	Total Annual Yield  Soil Taxonomic Unit  Years  High Average Average Low  Maximum each species  Total Annual Yield  Total Annual Yield  Number  Years  Years  High Average Average Low  Maximum each species  40 13 2 13 T T 9 3 T T 37 11 1	osi			Mustard	H	2
Soil Taxonomic Unit Favorable Unfavorable Of Years Plots  High Average Average Low Maximum each species 20 6 35 T T 37 11 1	Total Annual Yield  Soil Taxonomic Unit  Years  High Average Average Low  Maximum each species  Total Annual Yield  Total Annual Yield  Number  Years  Years  High Average Average Low  Maximum each species  40 13 2 13 T T 9 3 T T 37 11 1	duno		arrow	False Y	2	9
Total Annual Yield   Soil Taxonomic Unit   Favorable   Unfavorable   Unfavorable   Vears   Plots   P	Total Annual Yield  Soil Taxonomic Unit  Years  High Average Average Low  Maximum each species  Total Annual Yield  Total Annual Yield  Number  Years  Years  High Average Average Low  Maximum each species  40 13 2 13 T T 9 3 T T 37 11 1	S			Бээмшиэ		4
Total Annual Yield   Soil Taxonomic Unit   Favorable   Unfavorable   Unfavorable   Vears   Plots   P	Total Annual Yield  Soil Taxonomic Unit  Years  High Average Average Low  Maximum each species  Total Annual Yield  Total Annual Yield  Number  Years  Years  High Average Average Low  Maximum each species  40 13 2 13 T T 9 3 T T 37 11 1	cie		ıə	Owlclove	E	H
Total Annual Yield   Soil Taxonomic Unit   Favorable   Unfavorable   Unfavorable   Vears   Plots   P	Total Annual Yield  Soil Taxonomic Unit  Years  High Average Average Low  Maximum each species  Total Annual Yield  Total Annual Yield  Number  Years  Years  High Average Average Low  Maximum each species  40 13 2 13 T T 9 3 T T 37 11 1	Spe		u	Threeaw	3	12
Soil Taxonomic Unit Favorable Unfavorable Of Years Plots  High Average Average Low Maximum each species	Total Annual Yield  Total Annual Yield  Total Annual Yield  Total Annual Yield  Total Annual Yield  Total Annual Yield  Total Annual Yield  Teavorable  Teavorable  Teavorable  Tears  Tears  Tears  Tears  Tears  Tears  Tears  Tears  Tears  Tears  Tears  Tears  Tears  Tears  Tears  Tears  Tears  Tears  Tears  Tears  Tears  Tears  Tears  Tears  Tears  Tears  Tears  Tears  Tears  Tears  Tears  Tears  Tears  Tears  Tears  Tears  Tears  Tears  Tears  Tears  Tears  Tears  Tears  Tears  Tears  Tears  Tears  Tears  Tears  Tears  Tears  Tears  Tears  Tears  Tears  Tears  Tears  Tears  Tears  Tears  Tears  Tears  Tears  Tears  Tears  Tears  Tears  Tears  Tears  Tears  Tears  Tears  Tears  Tears  Tears  Tears  Tears  Tears  Tears  Tears  Tears  Tears  Tears  Tears  Tears  Tears  Tears  Tears  Tears  Tears  Tears  Tears  Tears  Tears  Tears  Tears  Tears  Tears  Tears  Tears  Tears  Tears  Tears  Tears  Tears  Tears  Tears  Tears  Tears  Tears  Tears  Tears  Tears  Tears  Tears  Tears  Tears  Tears  Tears  Tears  Tears  Tears  Tears  Tears  Tears  Tears  Tears  Tears  Tears  Tears  Tears  Tears  Tears  Tears  Tears  Tears  Tears  Tears  Tears  Tears  Tears  Tears  Tears  Tears  Tears  Tears  Tears  Tears  Tears  Tears  Tears  Tears  Tears  Tears  Tears  Tears  Tears  Tears  Tears  Tears  Tears  Tears  Tears  Tears  Tears  Tears  Tears  Tears  Tears  Tears  Tears  Tears  Tears  Tears  Tears  Tears  Tears  Tears  Tears  Tears  Tears  Tears  Tears  Tears  Tears  Tears  Tears  Tears  Tears  Tears  Tears  Tears  Tears  Tears  Tears  Tears  Tears  Tears  Tears  Tears  Tears  Tears  Tears  Tears  Tears  Tears  Tears  Tears  Tears  Tears  Tears  Tears  Tears  Tears  Tears  Tears  Tears  Tears  Tears  Tears  Tears  Tears  Tears  Tears  Tears  Tears  Tears  Tears  Tears  Tears  Tears  Tears  Tears  Tears  Tears  Tears  Tears  Tears  Tears  Tears  Tears  Tears  Tears  Tears  Tears  Tears  Tears  Tears  Tears  Tears  Tears  Tears  Tears  Tears  Tears  Tears  Tears  Tears  Tears  Tears  Tears  Tears  Tears  Tears  Tears  Tears  Tears  T			патругева	Иееддеа	E-1	
Total Annual Yield   Crasses	Total Annual Yield  Rears  Soil Taxonomic Unit  Favorable  Vears  High Average Average Low  Maximum each species  Maximum each species  Total Annual Yield  Tavorable  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vears  Vea			pəəsdo	Sand Dre	m	=======================================
Soil Taxonomic Unit Favorable Unfavorable Of Years Favorable Unfavorable Of Years High Average Average Low High Average Average Low Maximum each species 40 13 2 13 T T T T T T T T T T T T T T T T T T	Total Annual Yield  Total Annual Yield  Favorable  Vears  Favorable  Vears  High Average Average Low  Maximum each species  20 6 35 T T		es	ropseed	Spike D	6	
Soil Taxonomic Unit Favorable Unfavorable Option Favorable Vears Flots  High Average Average Low High Average Average Low High Average Average Low High Average Average Low High Average Average Low High Average Average Low High Average Average Low High Average Average Low High Average Average Low High Average Average Low High Average Average Low High Average Average Low High Average Average Low High Average Average Low High Average Average Low High Average Average Low High Average Average Low High Average Average Low High Average Average Low High Average Average Low High Average Average Low High Average Average Average Low High Average Average Average Low High Average Average Average Low High Average Average Average Low High Average Average Average Average Low High Average Average Average Average Average Low High Average Average Average Average Average Average Average Average Average Average Average Average Average Average Average Average Average Average Average Average Average Average Average Average Average Average Average Average Average Average Average Average Average Average Average Average Average Average Average Average Average Average Average Average Average Average Average Average Average Average Average Average Average Average Average Average Average Average Average Average Average Average Average Average Average Average Average Average Average Average Average Average Average Average Average Average Average Average Average Average Average Average Average Average Average Average Average Average Average Average Average Average Average Average Average Average Average Average Average Average Average Average Average Average Average Average Average Average Average Average Average Average Average Average Average Average Average Average Average Average Average Average Average Average Average Average Average Average Average Average Average Average Average Average Average Average Average Average Average Average Average Average Average Average Average Average Average Average Average Average Average Average Averag	Total Annual Yield  Favorable Unfavorable Of Years  High Average Average Low  Maximum each species 20 6 35		ass	s Fescue	Sixweek	₽	
Soil Taxonomic Unit  Favorable  Soil Taxonomic Unit  Years  Years  Years  Years  Plots   Total Annual Yield   Number		Gr	ле	Ked Bron	H	H	
Total Annual Yield   Number	Total Annual Yield  Soil Taxonomic Unit Favorable Tears   Number Of Soil Taxonomic Unit Years   Plots   Soil Taxonomic Unit Years   Plots   Soil Taxonomic Unit Years   Plots   Soil Taxonomic Unit Years   Plots   Soil Taxonomic Unit Years   Plots   Soil Taxonomic Unit Years   Plots   Soil Taxonomic Unit Years   Plots   Soil Taxonomic Unit Years   Plots   Soil Taxonomic Unit Years   Plots   Soil Taxonomic Unit Years   Plots   Soil Taxonomic Unit Years   Plots   Soil Taxonomic Unit Years   Plots   Soil Taxonomic Unit Years   Plots   Soil Taxonomic Unit Years   Plots   Soil Taxonomic Unit Years   Plots   Soil Taxonomic Unit Years   Plots   Plots   Soil Taxonomic Unit Years   Plots   Plots   Soil Taxonomic Unit Years   Plots   Pl			Sicegrass	InsibnI	13	35
Soil Taxonomic Unit Favorable Unfavorable of Years High Average Average Low  All soils 1,499 902 40  Maximum each species 2	Total Annual Yield  Favorable   Unfavorable   Offares    Years   High   Average   Average   Low    All soils   1,499   902      Maximum each species			SSE	Cheatgra		
Soil Taxonomic Unit  Favorable Unfavorable Years High Average Average Low 1,499 902	Total Annual Yield  Total Annual Yield  Favorable Vears  Years  High Average Average Low  High Average Average Low  All soils  All soils  Maximum each species			do	Tangleto	13	20
Soil Taxonomic Unit  Favorable Unfavorable Years High Average Average Low 1,499 902	Total Annual Yield  Total Annual Yield  Favorable Vears  High Average Average Low  High Average Average Low  All soils  Maximum each species	-		S C			
Soil Taxonomic Unit  Favorable Unfavorable Years High Average Average Low 1,499 902	Total Annual Yield  Total Annual Yield  Favorable Vears  Years  High Average Average Low  High Average Average Low  All soils  All soils  Maximum each species			umb of lots		40	1
Soil Taxonomic Unit  Favorable Unfavorable Vears  High Average Average  All soils  Maximum each species	Total Annual Yield  Favorable Unfavorable Vears  High Average Average  All soils  Maximum each species			Z A			
Soil Taxonomic Unit  Favorable Unfavorable Vears  High Average Average  All soils  Maximum each species	Total Annual Yield  Favorable Unfavorable Vears  High Average Average  All soils  Maximum each species			υ	MO		1
Soil Taxonomic Unit  Favorable  Years  High Average A  1,499 902  Maximum each species	Total Annua rotation Soil Taxonomic Unit Favorable Favorable High Average A High Soils 1,499 902  Maximum each species			abl.	L	·	·
Soil Taxonomic Unit  Favorable  Years  High Average A  1,499 902  Maximum each species	Total Annua rotation Soil Taxonomic Unit Favorable Favorable High Average A High Soils 1,499 902  Maximum each species		e1d	vor	986		
Soil Taxonomic Unit  Favorable  Years  High Average A  1,499 902  Maximum each species	Total Annua rotation Soil Taxonomic Unit Favorable Favorable High Average A High Soils 1,499 902  Maximum each species		Yi	nfa.	era	1	1
Soil Taxonomic Unit  Favo  Ye  All soils  Maximum each species  -	ition Soil Taxonomic Unit Favo  Teavo  All soils  Maximum each species  -		ual	Ü	Ave		
Soil Taxonomic Unit  Favo  Ye  All soils  Maximum each species  -	ition Soil Taxonomic Unit Favo Year All soils 1,499  Maximum each species -		Ann		966		
Soil Taxonomic Unit  Favo  Ye  All soils  Maximum each species  -	ition Soil Taxonomic Unit Favo  Teavo  All soils  Maximum each species  -		al ,	le le	era	902	1
Soil Taxonomic Unit  Favo  Ye  All soils  Maximum each species  -	ition Soil Taxonomic Unit Favo  Teavo  All soils  Maximum each species  -		lot	rab	Ave		
Soil Taxonomic Unit Hi All soils Maximum each species	nge Soil Taxonomic Unit Hi All soils 1,			avol Yea	C	66	
Soil Taxonomic Unit All soils Maximum each species	nge Soil Taxonomic Unit All soils Maximum each species			Ä	lig	7,46	1
S V	nge strion Al						ry.
S V	nge strion Al			## ##			cie
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	nge			So		<b>111</b>	Ä
	Range			g			
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d				Ran		po	
M II O	ŭ l ŏ			တိ		9	

RANGE YIELD AND COMPOSITION SOUTHERN SEMIDESERT STONY LOAM

		ea	Mormont	Н	E→	E
E	ubs	ysn	ВІвскрг	66	96	100
(Percent)	Shrubs	pə	Snakewe	ı	H	H.
Per		bnomlA	Desert	1	4	13
1		S	Schismu	ı	EH	
Composition		P	Dropsee	I	H	EH
osi		U	Threeaw	1	H	H
omp	Grasses		Galleta	1	H	H
S	ras	Sicegrass	InsibnI	1	H	H
Species	0	υŢλ	Bush Mul	I	H	H
Spe		ltail	Squirre	I	H	H
		ЭU	Red Bron	I	H	H
		Number of Plots		10	30	l
		able s	Low	I	ı	1
	al Yield	Unfavorable Years	Average	l	1	ı
	Total Annual Yield	able	Average	1,907	1,252	I
	H	Favorable	High	1,907	1,651	1
		Soil Taxonomic Unit			All soils	Maximum each species
		Range		poog	Fair	



## Semidesert Stony Loam Range Site



RANGE YIELD AND COMPOSITION DESERT BOTTOMS

		eprusn	Bad Sag	H	-
Composition (Percent)			Winterf		
erc	nps		Others	2 68	4 76
(P)	Shrubs		Shadsca	<u> </u>	
Lon			Snakewe		6 13
iti				<del>-</del>	- 5
pos	ps		Haloget		
Соп	Forbs			E	H
	တ		СТореша	H	H
Species	sse		Squirre	<u>ش</u>	4
Spe	Grasses	Sicegrass	I naibal	14	21
		Number of Plots		20	I
		able s	Low	1	I
	ıal Yield	Unfavorable Years	Average	1	1
	Total Annual Yield	Favorable Years	Average	970	I
		Favoi	High	1,408	ı
		Soil Taxonomic Unit		All soils	Maximum each species
		Range		Excellent	

RANGE YIELD AND COMPOSITION DESERT CLAY

nt)		s Saltbush	Nuttall	74	32
rce	nps	poo	Greasew	19	37
(Percent)	Shrubs	ysn	Horsebr	E	1
		lly	Gray Mo	1	26
Composition	ξΩ.	рәә	Picklew	H	m
sod	Forbs		Ілкмеед	Н	ı
Com	E	P	Saltwee	9	2
Species	Grasses	Lisil	Squirre	t	E
		Number of Plots		10	10
		able s	Low	1	1
	Total Annual Yield	Unfavorable	Average	ı	ı
	Total Ann	Favorable Years	Average	1,230	663
		Favo	High	1,230	663
		Soil Taxonomic Unit		Anco sicl	
		Range Condition		Excellent	Fair

#### RANGE YIELD AND COMPOSITION DESERT FLAT

		DOC	owaseard	28	56	1	1	1	13	80	1	27	35	5
			ages bud	H 2	7	7	14	4	-	00	1	- 2	<u> </u>	- 35
	Shrubs		Shadscal	22	42	63	72 1	79	77	2	93	7	14	1
	Shr		Winterfa	38	92	13	26 7	m	7	13 9	- 6	H	2 1	ı
(t)			Xellowbr	1	1	7	3	5 2	1	<del></del>	1		1	1
cen			Gray Mol	1	ı	1		1	7	m		19	89	1
(Percent			Inkweed	1	ı	ı	1	ı	5	17	-2			1
			Mustard	1	1		7	1	H	H	H	1	1	1
Composition		15	вискирея	ı	1	H	H	ı	ı	ı	ı	ı	1	1
osi	Forbs		Annuals	ı	ı	H	H	ŀ		-5		1	ı	1
omb	Fo	Thistle	Russian	1	ı	H	Н	1	1	1	1	ı	ı	1
		Others Globemallow		1	ı	E-+	m	ī	ı	1	ı	-1	ı	1
Species				4	5	4	- LO	ı	1	1	-	1	ı	1
Spe	Halogeton		н	2	Н	7	1		00	H	41	51	51	
			Alkali S	I	ı	1	ı	ı	1	1	ı	4	9	9
	ses	SSI	Cheatgra	1	1	3	14	1	1	ı	ı	ı	ı	ı
	Grasse	List.	Squirrel	H	2	m	11	Н	H	H	H	1	1	1
	8	tcegrass	A naibal	4	00	3	5	3	1	ı	1	9	∞	∞
		Number of Plots	20	ı	70	1	07	61	ł	50	14	ı	10	
		able s	Low	ı	ı	550	1	550	326	ı	326	270		ı
	ual Yield	Unfavorable Years	Average	ı	ı	611	ı	622	350	1	344	270	1	ı
	Total Annual	rable	Average	1,240	ı	1,129	1	ı	421	ı	405	724	1 -	719
	Total Favorable Years High Aver			1,408	. 1	1,209	ı	ı	770	ı	408	770	I	719
		Soil Taxonomic Unit		All soils	Maximum each species	All soils	Maximum each species	Uvada sil	All soils	Maximum each species	Uvada sil	All soils	Maximum each species	Uvada sil
Range			Excellent		Poog			Fair			Poor			

	60	{E	\$			@Test #50000
			ere . Gran			
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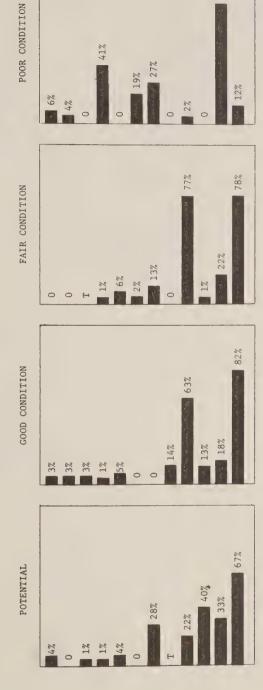
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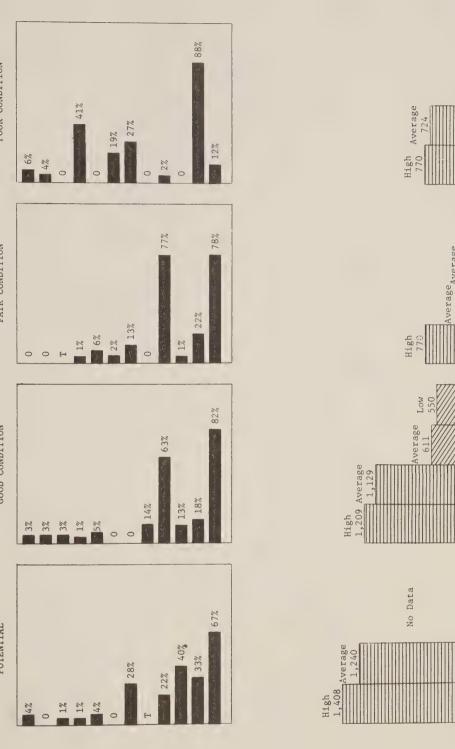
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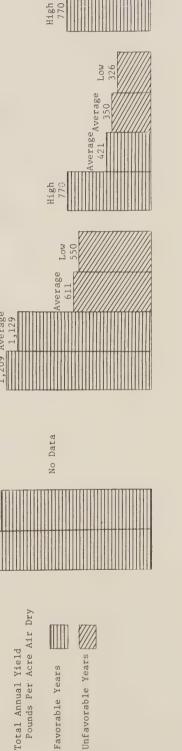
# YIELD AND VEGETATION COMPOSITION

### Desert Flat Range Site









RANGE YIELD AND COMPOSITION DESERT GRAVELLY LOAM

, ,				`		
		Œ e	Mormont	$\vdash$	m	$\leftarrow$
		eprush	Bad bud	H	2	₽
		ЭŢ	Shadsca	2	31	15
	S		ьртох	H	m	H
	Shrubs	at	Winterf	E-4	7	H
	Sh	авергишр	Black S	4	19	4
		ysn	Horsebr	12	55	12
t)		cnsp	Kellowb:	m	∞	m
Species Composition (Percent)		pe	Зиакеме		7	
Per		JE	Stickle	\ H	Н	H
0 0			Haloget	7	12	2
tio	co l		Penstem	H	7	
lsc	Forbs		Mustard	H	E	H
duc	F	MOTI	Globema	H	7	Н
S S			11 bns2	E-I		H
ies		[	Others	E-I	E⊣	H
ped		ch Wheatgr.		m	17	m
S		Bluegrass		H	F	H
		Sicegrass		4	28	14
	es			2	9	2 1
	Grasses		Alkali	2	00	2
	Gr		Squirre	7		7
			Cheatgra	2	12	m
		-		32	69 1	32
			Galleta	2	9	<u> </u>
		Number of Plots		50	ı	50
			3	4		4
	T	rable	Low	184	1	184
	Total Annual Yield	Unfavorable Years	Average	295	ı	295
	1 Annu	a)	Average	768	ı	768
	Tota	Favorable Years	Ave			
		Fav	High	789	ı	789
		Soil Taxonomic Unit		All soils	Maximum each species	Hiko Springs sl
		Range		Fair		

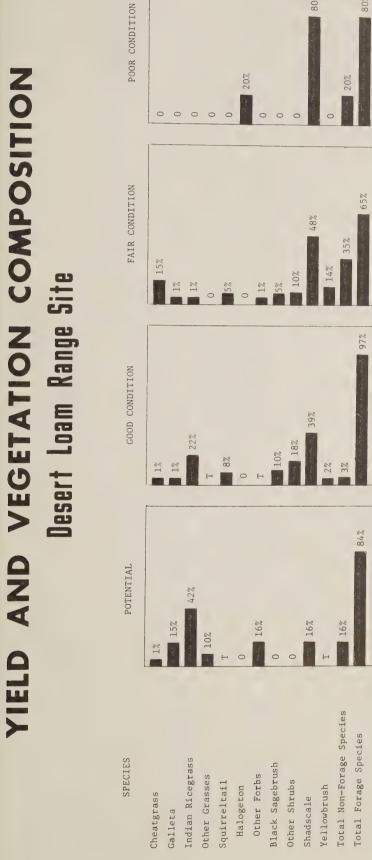
RANGE YIELD AND COMPOSITION

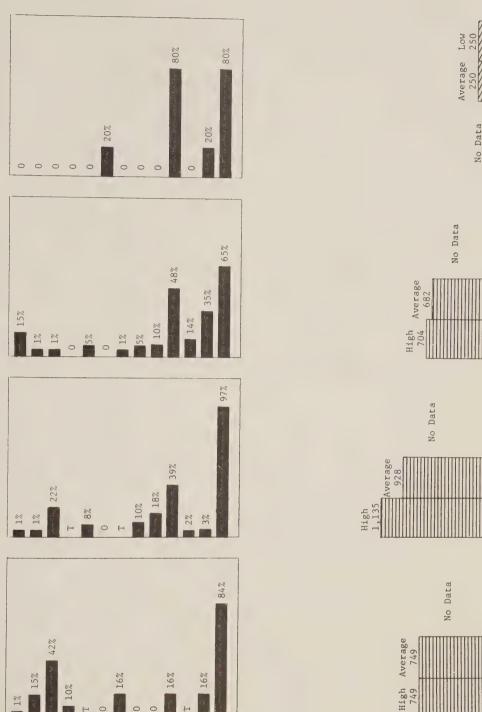
DESERT LOAM

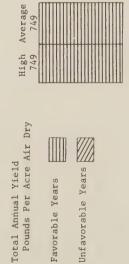
			rush	Xellowb	E→	2 /	4	14	21	1
			ЭŢ	Shadsca	16	39	52	48	55	80
		S	sgebrush	Black S	1	10	20	5	14	ı
		Shrubs	at	Winterf	1	18	37	ı	1	1
		S	Карътсьтивћ	Rubber	1	ı	1	m	00	ı
			pear	Prickly	1	ı	1	m	6	ı
100			epınsp	Bud Sag	1	ı	ı	2	00	ı
(Doroont)	772		uo	Haloget	1	l	ı	1	1	20
	- 1			тотля	H	1	ı	1	ı	1
Composition		SC	и госо	ZKeleto	H	1	1	1	l	1
•	Tab	Forbs	Plantain	Desert	H	1		1	1	- I
1	of			slsunnA	H	EH	. H	Н	7	. 1
			Moll	Globema		1	1	1	1	1
0 0	ו עד רבדע			Daisy	12	1	1	1	1	1
Can	Springe		g Bluegrass	Sandber	1	H	H	1	I	1
	Sixweeks Fescue				H	1			<u> </u>	I
	Cheatgrass so Squirreltail s				H		∞	5	9	1
					H	<b>E</b> ⊣		15	22	1
		9		Galleta	15	I	1		m	1
	Western Wheatgrass				10		1 .	1		1
			Ricegrass	nsibnI	41	22	40	H	2	ŧ
			Number of Plots		10	20	ſ	15	ı	10
			able	Low	I	1	ŀ	ı	ı	250
	,	al Yield	Unfavorable Years	Average	1	ı	1	1	1	250
		Total Annual Yield	Favorable Years	Average	749	928	l	682	ı	I
			Favoi	High	749	1,135	I	704	ı	l
			Soil Taxonomic Unit			All soils	Maximum each species	All soils	Maximum each species	
			Range Condition		Excellent	Poog		Fair		Poor

#### M7-L-13000-281

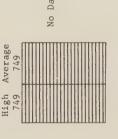
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Favorable Years









RANGE YIELD AND COMPOSITION DESERT MOUNTAIN

	Shrubs	geprush	Black Sa	33	25	33	1	
	Sh	ә	Shadscal	1	Н	10	25	
			Отрека	1	I	ı	35	
			РЪТок		H	E	I	
nt)	S		Loco	H	H	H	1	
(Percent	Forbs		slaunnA	H	ı	1	ı	
(Pe	[EI	u	Penstemo	H	E	€-1	1	
On		WOI	Globemal	2	H	2	ı	
Composition			Mustard	H	H	H	1	
sod		. A	Sego Lil	. 日	EH	H	1	
Com		dthread	Needlean	1	I	1	28	
1			Тһтееамп	I	2	11	I	
Species	ω.	eedlegrass	Desert N	1	3	16	I	
Sp	Grasses		Galleta	I	16	73	1	
	Gra	icegrass	A naibal	00	00	12	12	
			Cheatgra	m	2	n	1	
		Bluegrass		⊣	H		I	
		h Wheatgr.	Bluebunc	54	41	54	I	
		Number of Plots		10	14	ı	Н	
		able	Low	I	617	t	430	
	ıal Yield	Unfavorable	Average	l	654	I	430	
	Total Annual Yield	Favorable Years	Average	1,385	1,385	t	1	
		Favor	High	1,385	1,385	I	1	
		Soil Taxonomic Unit			All soils	Maximum each species		
		Range Condition		Excellent	Poog		Fair	

RANGE YIELD AND COMPOSITION

DESERT SAND

	1	910	Minteri	E-1	Н	1		1	1
		Saltbush			4	12	35	·	
			Snakewe	25	51	2 1	6 3		39
			Shadsca	- 2	- 5		21		<u> </u>
	Shrubs		Horsebr	1	1		2	1	1
	Shr		Prickly	1	1	7	20	5	26
		Карьітьтивл		1	1	1	1	13	55 2
			Mormont	1	1	ı	1	H	<del>-</del>
			Big Sag	1	1	1	P	22	80
			вискире	1	1	1	. 1	H	<del>-</del>
(Percent)			roco	1	1,	1	1	H	4
erc			Aster	1	1	Н	7	13	777
		uo	Haloget	ı	1	Н	2	ı	1
ton	w	JE	Stickle	ı	1	2	4	1	1
sit	Forbs	Woll	Globema	H	H	H	m	-	N
odu	14		slaunnA	ω	00	2	9	17	61
Co	Stickseed  Mustard  Mustard  Globemallow  Globemallow  Globemallow  Globemallow  Globemallow			⊱	H	EH	H	ı	ı
cies		Thistle	Russian	m	00	30	58	4	9
Spec	Sandberg Bluegrass Squirreltail Others Stickseed			E		1	1	l l	1
				m	11	1	1	1	1
				1	I	E-4		1	1
	Bluegrass			EH.	EH .		1	2	6
	8	SSE	Cheatgra	H	H	16	35	<u>~~</u>	11
	Grasses		Black G	m		<u> </u>		- 1	
	ras		Threeaw	7	9		- 7	1	1
			Sand Dro	5 1	4				
		Sicegrass			14		- 5		4
	-	226709015	Galleta	9 7 9	4 74	- 18	- 29		18
	11	н							· · · · · · · · · · · · · · · · · · ·
		Number of Plots		32	1	30	1	37	1
	p.	ble	Low	189	ı	126	I	35	1
	Yiel	favora	rage	200	ı	416	1	138	ı
	nnual	Un	Ave			4			
	Total Annual Yield	Favorable Years	Average Average	658	1	,594	1	704	F
	Tot	vorab							
		Far	High	820	ı	1,594 .1,594	1	704	1
		Soil Taxonomic Unit			Maximum each species		Maximum each species		Maximum each species
		ı o			ďs 1		ds 1		sp
		lomi			ach		ach		ach
		ахог		S	E E	S	III e	S	E e
		1 Ta		30il	Kimı	sof]	cimu	soi]	cim
		Sof		All soils	Max	All soils	Мал	All soils	Маз
				A		₹		A	
		Range Condition		pc		r		ır	
		Cor	роод		Fair		Poor		

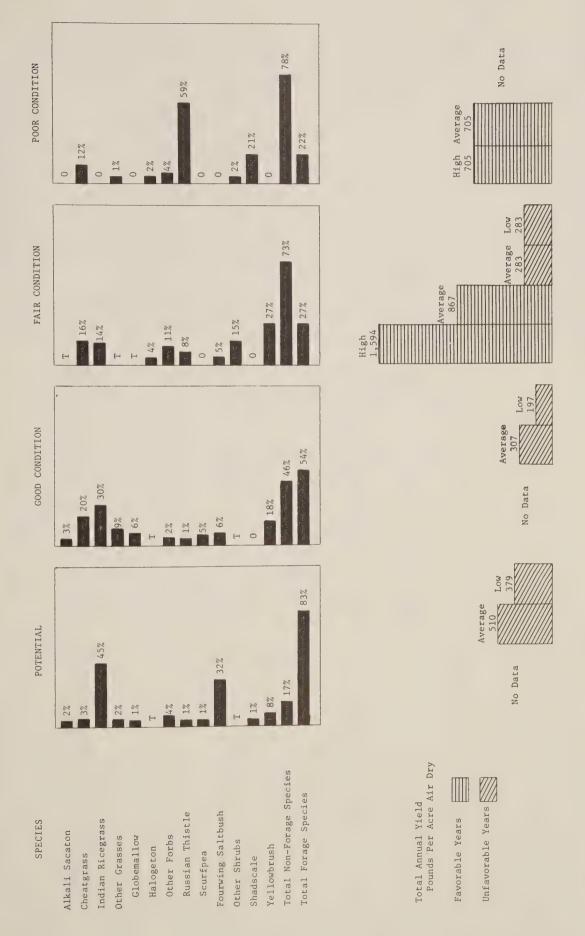
RANGE YIELD AND COMPOSITION DESERT ALKALI BENCH

			Yellowbr		5 32	1	5 32	1	1	1	1	1	ı	
	nps		Gray Mol		9	4	1	- 00	00	00	5	00	- 9	
	Shrub		Bud Sagel		75	72	1	45	49	45				
			Shadscale	-	12 7	9 7		33 4	7 67	33 4	18 47	9 75	1 59	
		F	Snakewee	1		1	ı		4	<u></u>	2 1	10 49	- 21	0
(t)			Inkweed	1	1	1	T	1	1	1	7	8	1	0
(Percent			slaunnA	1	ı	ı	1	1	ı	1	H		1	
(Per	SC		Scurfpea	H	-	1	7	1	1	1	1	1	1	-
	Forbs		Aster	П	n	ı	n	- 1	1	1	1	1	1	
Composition			Mustard	H	H	H	1	1	ı	Ī	H	H	H	E-
pos		U	Halogetor	5	15	00	1	14	26	14	10	26	11	9
Com			Globemal	Н	П	H	Н	1	1	1	H	Н	H	1
es			Fluffgra	1	ı	1	I	1	ı	I ,	H	2	ı	0
Species		S	Saltgras	1	1	1	1	1	I	ı	E	Н	ı	_
SF			Тһтееамп	Н	2	1	2	ı	- 1	- 1	I	ı	- 1	1
Wheatgrass of w ass			H		1		1		1		9	I	9	
					<u>س</u>	1	~			1	- 1	I	- 1	- 1
				8 2	5	1	-2	1				1	1	
			A nathal	₩	1 23		- 23		H	<b>⊢</b>		9	[-	9
	ŀ	pəəsa	Sand Dro			- 9		<u>'</u>	- 1	1	<u></u>		3	- 1
			Galleta	12	24		24				14	57		57
		Number of Plots	30	ı	20	10	20	1	20	50	ı	70	10	
	_	able	245	ı	245	384	141	1	141	141	ı	141	ı	
1 444	ual Yield	Unfavorable	Average	301	ı	260	384	174	I	174	217	1	217	1
+ C + C - C + C - C + C - C + C - C - C	ıotal Annual Yield	Favorable	Average	ı	ı	ı	1	1	l	ı	351	1	ı	351
		Favor	High	ı	ı	1	1	ı	ı	1	351	ı	ı	351
		Soil Taxonomic Unit		All soils	Maximum each species	Goshute grav sil	Uffens sil	All soils	Maximum each species	Goshute grav sil	All soils	Maximum each species	Goshute grav sil	Uffens sil
Range Condition				Excellent				Pood			Fair			

RANGE YIELD AND COMPOSITION DESERT ALKALI SAND

		debittorush		E	2	H	1	1	1	1	1	1	1
			Winterfa	H	H	H	1			00			- 1
			Mormonte	T	- H	- T	T 9		9	- 10	4 38		
	S	Saltbush		1 32	7 58	1 32	-	- 11		1	- 24	1	
	Shrubs		Shadscal	T 1	4					· ·	- 1	-	- 21
	S		Xellowbr Yellowbr	00	32	00	16	28	16	27	30	27	1
1		J	Horsebru	1	3	ı		- 2		3 2	15 3	3 2	7
			Creasewo	1	1	1	1	1	1	-7	19 1	7	1
			Bud Sage	1	1	1	i i	ŧ	1	H		⊢	1
			Skeletor	ı	1	1	ı	1	1	H	-	₽	1
			вискирея	1	ı	T	1	1	1	⊣	2	H	1
t)			Townsenc	ı	1	1	H	Н	Н	1	- 1	ı	1
cen			Sandbur	ı	1	ı	-	2	П	1	ı	1	1
Per		JE	Stickles	1	1	1	H	H	H	7	34	7	4
) uc	70		slsunnA	1	1	1	H	Н	H	2	00	2	E⊣
itic	Forbs		Others	4	5	4	1	1	I	H	H	H	1
posi	Fc		Aster	[1	H	H	H	H	⊢	ı	ı	1	1
Comp			Ragweed	H	3	₽	I	1	ı	Н	m	Н	1
es		٢٨	Sand Lil	H	m	I	-	2	-	Н	3	П	1
Species Composition (Percent)			Globema	-	~		9	13	9	[	7	E-4	
Sp			Scuripes		-7			00			1	1	
			Haloget	[-	2 T	1 T		-	-	4	3 17	4	- 2
		Thistle	Tangleto	1 1	- 2					00	- 33	 I	- 58
		ndthread				E-1		7		1	<u> </u>		
		Poordabe	Galleta	H	П		7	- 5	7	<u></u>		H	1
		pəəsdo	Mesa Dro	H	7	H	1	ı	1	1	1	1	1
	ses		Тһтееам	H	⊢	[-1	⊣	H	H	1	1	1	1
	Grasses	Wheatgrass	Western	⊣	7	EI	9	12	9	1	1	1	1
	9	ltail	Squirre		00	Н	1	1	-1	1	1	1	-
		gacaton	Alkali S	2	10	7	3	9	m	H	⊢	⊱	ı
		SSE	Cheatgra	3	7	m	20	39	20	16	35	16	12
		Sicegrass	I nsibnI	45	66	45	30	36	30	14	29	14	T
		s er											
		Number of Plots		80	1	80	20	1	20	50	1	50	10
		able	Low	379	1	379	197	1	197	283	ı	283	1
	l Yield	Unfavorable Years	verage	510	1	510	307	1	307	283	1	283	1
	nua		A										
	Total Annual Yield	able	Average Average	ı	1	1	1	1	1	867	ı	867	705
	H	Favorable Years	High	ı	1	ı	1	1	ı	1,594	1	1,594	705
			Д		co.			(0)			ro.		
		Soil Taxonomic Unit			Maximum each species			Maximum each species		٠	Maximum each species		
		Soil Tax		All soils	Maximum	Yenrab fs	All soils	Maximum	Yenrab fs	All soils	Maximum	Yenrab fs	Yenrab fs
		Range		Excellent			Good			Fair			Poor

### Desert Alkali Sand Range Site



#### RANGE YIELD AND COMPOSITION DESERT SILT FLATS

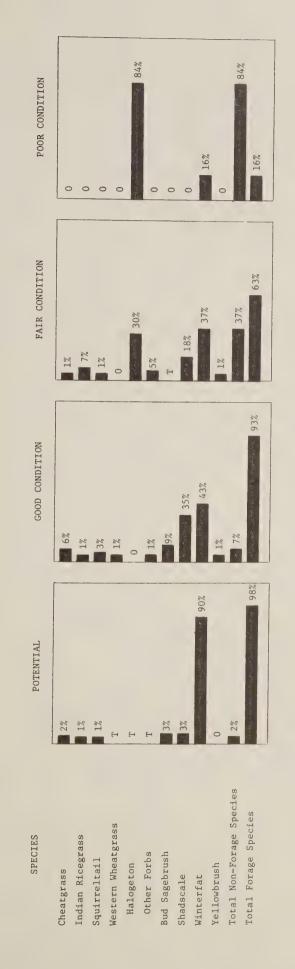
	S		Shadsca	m	19	16	35	18	54	54	1
t)	Shrubs	eprush	Bud Sag	m	13	12	6	H	Н	-	1
(Percent)	Sh	at	Winterf	06	100	54	43	37	47	17	16
Per		rush rush	Kellowb	l l	1	ı	Н	-	3	က	1
1		Woll	Globema	ı	1	1		H			1
tio	ps		Отрега	H	2	H	1	I	I	ı	ı
Composition	Forbs	Thistle	Russian	H	H	l	1	2	7	ı	1
duc		uc	Haloget	⊱	2	I	ı	30	45	ı	48,
ł.		pa	Stickse	H	⊢	ı	ı	1	1	1	ı
Species	10	Wheatgrass	Mestern	E	m	2	Н	1	ı	1	ı
pec	ses	SST	Сћеатвг	2	15	00	9	Н	c	m	ı
0,1	Ricegrass Rice		I nathni	H	7	4	Н	7	18	18	1
			Squirrel	Н	4	2	8	H	m	9	ı
		Number of Plots		100	. 1	20	20	30	1	10	20
		able s	Low	157	I	503	587	347	ı	ı	ı
	ıal Yield	Unfavorable Years	Average	232	1	503	587	347	1	ı	ı
	Total Annual Yield	able	Average	786	ı	959	1	808	ı	808	1,272
	T	Favorable	High	931	ı	959	ı	808	ŧ	808	1,272
		Soil Taxonomic Unit		All soils	Maximum each species	Penoyer sil	Penoyer sil	All soils	Maximum each species	Penoyer sil	
		Range		Excellent			Poog	Fair			Poor

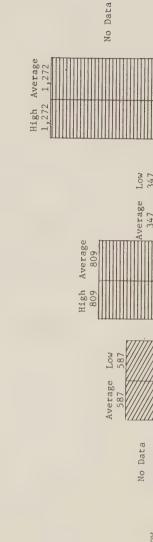
Short a make in the Carach

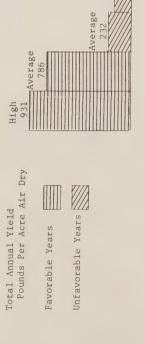
RANGE YIELD AND COMPOSITION DESERT SILT FLATS

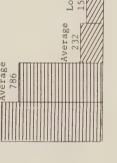
								S	Species	ies	Coll	Composition	itic		Per	(Percent)	t	
			Total Ann	Annual Yield				ras	Grasses			Foı	Forbs			Sh	Shrubs	S
Range Condition	Soil Taxonomic Unit	Favo	Favorable Years	Unfavorable	able s	Number of Plots	Lisil	Acegrass		Wheatgrass		Thistle		woll	ųsn;	3.5	prush	ρŢ
		High	Average	Average	Low		Squirrel	Indian F	Cheatgra		Sticksee	Halogeto	Others	Globemal	Xellowbr	Winterfa	Bud Sage	Shadscal
Excellent	All soils	931	786	232	157	100	Н	H	7	E	E	H	H	1	ì	06	М	m
	Maximum each species	ı	ı	ı	ı	. 1	4		15	3	H	2 T	2	I	I	100	13	19
	Penoyer sil	959	959	503	503	20	2	4	00	7	<u>'</u>	1	H	1	1	54	12	16
	Penoyer sil	ı	1	587	587	20	3	Н	9		1	<u> </u>	1		Н	43	6	35
	All soils	808	808	347	347	30	Н			· I	- 30		ı	EH	$\vdash$	37	H	18
	Maximum each species	ı	1	ı	t	ŧ	m	18	m		- 45	7	ı	· H	m	47	Н	54
	Penoyer sil	808	808	ı	ı	10	<u>г</u>	18	m	<u> </u>	1		ı	Н	m	17	н	54
		1,272	1,272	ı	ı	20	ı	1	i	'	- 84	1	ı	ı	ı	16	ı	ı
								-	-									

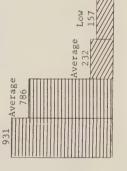
## Desert Silt Flats Range Site











RANGE YIELD AND COMPOSITION DESERT ALKALI FLAT

			Shadscal	D H	T 35	I I	1	- 35	9	- 52	1	- 52	1	1	1	1
	S		Seepweed	9	19	6	1	1	1	1	1	1	ı	1	· ·	· · ·
<u> </u>	Shrubs	Saltbush	Nuttalls	12	74	1	74	1	1	1	i	1	ı	1	1	ŀ
cent	SI	γĮ.	Gray Mol	m	19	1	19	ı	1	ı	1	1	ı	1	ı	1
(Percent)		pod	Greasewo	36	59	39	1	59	67	000	67	1	77	96	100	20
		<b>1</b>	Winterfa	1	1	I	1	I	9	37 1	1	37	1	1	1	I
Composition			Others	m	5	2	I	ı	1	- 1	ı	1	Ţ	1	1	1
osi	S	pəə	Picklewe	7	30	12	ı	ı	I	ŀ	F	I	ı	1	ı	30
ошо	Forbs		alsunnA	H	H	1	1	1	σ.	28	7	H	ı	ı	ŀ	H
	E4		Inkweed	-5	18	9	9	9	10	56	00	1	56	4	1	19
Species			Smotherw	16	7.1	26	I	ı	00	71	18	I	I	⊢	1	6
Spe			Peppergr	H		H	1	I	₽	-	E	ı	ŀ	1	1	1
	S		Squirrel	1		1	1	F	Н	00	1	00	ı	ı	1	1
	Grasses	-C	Alkali S	4	21	- 2	I	1	1	- 1	1	1	ŧ	1	ı	21
	Gra	icegrass		H			I	1	H	Ω	- E	3	1	1	1	ı
		\ S:	Saltgras	₽	-	₽	1	1	1	I	I	I	1	1	I	
		Number of Plots		09	ı	04	10	10	06	ı	40	10	10	10	20	10
		able s	Low	347	ı	889	ı	347	420	I	420	1	1	633	ı	ı
	Annual Yield	Unfavorable	Average	620	I	711	1	347	628	ı	627	ı	ı	633	ı	ı
	Total Ann	Favorable	Average	1,005	1	768	1,242	ı	1,005	1	ı	1,135	1,129	1	878	768
		Favo:	High	1,242	ı	768	1,242	ı	1,135	ı	I	1,135	1,129	I	906	768
		Soil Taxonomic Unit		All soils	Maximum each species	Abraham 1 strongly saline	Anco sicl strongly saline	Abbott sic strongly saline	All soils	Maximum each species	Abraham l strongly saline	Bram sil	Poganeab sicl strongly saline	Abraham sicl strongly saline	Abbott sic strongly saline	Abraham 1 strongly
		Range		Excellent					Good							Fair

RANGE YIELD AND COMPOSITION

DESERT SALT FLATS

	Creasewood Horsebrush			H	EH	H		1	1
t)	nbs	poo	Greasew	7	19	2	19	39	13
(Percent)	Shr	117	Gray Mo	7	16	2	9	26	9
Per		s Saltbush	Nuttall	63	88	63	32	44	32
		mulb	Срепоро	E	-	H	ı	I	ı
tio		рәәм	Smother	H	3	H	H	Н	H
osi	sq	uo	Haloget	H	Н	H	H	3	⊢
Composition	Forbs	рәә	Picklew	23	68	23	35	73	35
1			Inkweed	6	21	6	. 7	00	2
Species		. F	Saltwee	H	9	Н	5	15	2
Spe	o s Lisiterriu		Squirre	ł	ı	ı	E	H	E
		Number of Plots		100	ı	100	09	1	ı
		able s	Low	295	ı	295	238	ı	1
	otal Annual Yield	Unfavorable Years	Average	370	ı	370	325	ı	1
	Cotal Ann	rable	Average	1,112	l	1,112	1,117	ı	1
	T	Favor	High	1,287	I	1,287	1,514	1	ı
		Soil Taxonomic Unit		All soils	Maximum each species	Yuba sicl	All soils	Maximum each species	Yuba sicl
	Range			Excellent			Fair		

RANGE YIELD AND COMPOSITION DESERT SHALLOW LOAM

				•			
				A ybooW	7	<u> </u>	1
				Greasebi	6	1	1
		ps		Вискиће:	1	H	
		Shrubs	agebrush		57	62	84
		S		Winterf	1	9	10
	at)		be	Snakewe	1	9	12
	rce			РЬТОХ	'	8	~~~~~
	(Percent)		Je	Shadsca		E	1 13
	no		***	БРТОХ	1		5
	Composition		.5.	Owlclove	'	2	<u>۳</u>
	bos	ps		Stickse	<u>'</u>	2	
	Com	Forbs	99670	Mooly Bo	i i		
				Mustard	'		<del></del>
	Species		uc	Penstem			
	Spe			slsunnA	18		
				Arenaria		H	
			Mheatgrass		1		
_		ses	ch Wheatgr.		1		9
		Grasses	ndthread		9	e	
				Bullgras	3 10		4 5
	Indian Ricegrass					2	7
	Number of Plots				10	36	1
			able s	Low	1	168	1
	al Yield		Unfavorable Years	Average	l	211	ı
		Total Annual Yield	Favorable Years	Average	565	342	ı
			Favo	High	565	374	ı
			Soil Taxonomic Unit			All soils	Maximum each species
			Range		Excellent	Fair	

RANGE YIELD AND COMPOSITION SOUTHERN DESERT LOAM

		Soil Taxonomic Unit		All soils	Maximum each species	All soils	Maximum each species	Tobler fsl
		Unit		species		species		
		Favo	High	536	ı	1,197	1	ı
	Total Ann	Favorable Years	Average	477	ı	1,172	ı	ŧ
	Total Annual Yield	Unfavora	Average	1	ı	416	ı	416
		able s	Low	1	ı	416	1	416
	Number of Plots			30	1	07	1	10
		Tangletop		2 2	5	7		8
	Galleta			20	24 1	00	19	19
	-		Red Bron	9	11	4	-5	-
	Gr	Fluffgrass Annual Grama		9	ω	4		1
	Grasses			E				
	0) -		Bush Mul	1 5	3 7	1 6	2 11	<u> </u>
Sp			Black Gr			1	1	I
Species		Indian Ricegrass		ı	1	5	19	19
		SSI	Cheatgra	1	ı	₽	E	H
Omp	-		Filerie	0	23	4	16	E-I
Composition	-		Annuals	H	-	<u> </u>	7	- 5
ion	For		Euphorbi	H 2	EH			1
	Forbs		Mustard	2				<u> </u>
(Percent		11	вискире	1	1	H	П	ı
nt)		larigold	Desert M	1 '	1	H	Н	1
		-	Bur Sage	1	ı	Н	m	9
			Creosote Mormonte	1	1	52 ]	71	1
	Shr		12 1	19 2	10	38 1	38 1	
	Shrubs	est. .nsp	15 12	21 13	- 2	18	18	
		Saltbush	1 7	2		1	I	
			Winterfa	9	6	1		I

RANGE YIELD AND COMPOSITION

SOUTHERN DESERT SAND

		Lush	Xellowb	H	Н	⊢	H	94
	Ì	Э	7	17	00	ı	1	
	ł	qsnqə	H	m	7	1	ı	
	0	g Saltbush	N	15	00	1	1	
	Shrubs	Formosa		9	1	1	1	
	Shi	atany	m	21	1	1		
	ŀ	Rebrush	m	22 2	11	H		
			4	27 2	1	4	1	
		улакемееd Мотшоптеа			41 2	7		
nt)			E	7	1	1		
rce	-	Skeleton Loco			9	<u>'</u>		
(Pe								
n		Rabbitbrush		H		1	1	- 1
ti	Forbs		Bladder	-	4			
osi	FO	Marigold	Desert	H	2		1	
dino			Огрега	H			1	1
Species Composition (Percent)			Filerie	2	9	[1	2	1
cies		TJow	Globema	2	39	1	ı	ı
pec		slaunnA		7	4	⊢	2	1
S		17X	l	1	ı	1	Н	
		pəəsdo	7	24	I	13	7	
		эu	-	00	1	4	1	
	es	Sicegrass	2	29	14	I	1	
	Grasses		Spike D	m	12	ı	1	1
	Gra	Tangletop		14	29	12	14	0
		Cheatgrass		2		2	1	ı
	ŀ	Sixweeks Grama		7	13	1	1	1
			32	54 ]	38	94	25	
		٤,	Galleta	(1)	0 1	.,	7	
		Number of Plots	72	ı	20	20	10	
		able s	Low	181	1	181	358	t
	al Yield	Unfavorable	Average	300	ı	272	358	1
	Total Annual Yield	Favorable	Average	557	ı	I	572	627
	Favor		High	605	ı	I	572	627
		Soil Taxonomic Unit	All soils	Maximum each species	Pintura lfs	Ivins lfs		
Range				Good				FI CE

RANGE YIELD AND COMPOSITION
SOUTHERN DESERT SHALLOW HARDPAN

		rree	l sudsol	6	13
	(C)		Lyctum	2	rU.
	Shrubs		Сротта	⊟	H
	Sh	ć	Bur Sage	32	50
			Creosote	27	37
TT			Отрега	H	H
cen		rsikspur		E	H
Species Composition (Percent)	S		Loco	H	H
) uc		3.5	вискирея	H	Н
itic	Forbs		Vaisd	H	H
008		Filerie		9	12
Comj		Skeletonweed		H	E
Se		sisunnA		H	H
ecie		Mustard		m	00
Spe		5	Schismus	Н	Н
	0	Fescue	Зұхмеека	E	H
	Grasses		Отрега	m	6
	Grae		Тһтееамп	H	H
		SSI	Cheatgra	H	H
		ЭС	Red Bron	17	23
	Number of Plots			30	ı
		able s	Low	ı	I
Lot Viola	uar rield	Unfavorable Years	Average	ı	I
Total Annual Vio	lotal Ann	Favorable Years	Average	911	1
		Favo	High	1,111	I
	Soil Taxonomic Unit			All soils	Maximum each species
		Range Condition		роод	

#### PLANT LIST

#### Common and Scientific Names

# Grasses and Grass-Like Plants

#### Common Name

Alkali sacaton
Baltic rush
Bearded wheatgrass
Black grama
Bluebunch wheatgrass

Blue grama Blue wildrye Broadleaf sedge Bullgrass Bush muhly Cheatgrass Columbia needlegrass Crested wheatgrass Desert needlegrass Dropseed Dryland sedge False buffalograss Fluffgrass Foxtail Galleta Great Basin wildrye Horsetail Idaho fescue Indian ricegrass Kentucky bluegrass King's fescue Letterman needlegrass Meadow foxtail Mesa dropseed Mountain brome Mountain muhly Muttongrass Narrowleaf sedge Needleandthread Nevada bluegrass Nodding bluegrass Nodding brome Oniongrass Orchardgrass Prairie junegrass Red brome Redtop

# Scientific Name

Sporobolus airoides Juncus balticus Agropyron subsecundum Bouteloua eriopoda Agropyron inerme and Agropyron spicatum Bouteloua gracilis Elymus glaucus Carex spp Elymus simplex Muhlenbergia porteri Bromus tectorum Stipa columbiana Agropyron cristatum Stipa speciosa Sporobolus spp Carex spp Triodia pulchella Triodia pulchella Hordeum jubatum Hilaria jamesi Elymus cinereus Equisetum spp Festuca idahoensis Oryzopsis hymenoides Poa pratensis Hesperochloa kingi Stipa lettermani Alopecurus pratensis Sporobolus flexuosus Bromus carinatus Muhlenbergia montana Poa fendleriana Carex spp Stipa comata Poa nevadensis Poa reflexa Bromus anomalus Melica bulbosa Catylis glomerata Koeleria cristata Bromus rubens Agrostis alba

Ring muhly
Saltgrass
Sandberg bluegrass
Sand dropseed
Schismus
Sheep fescue
Sixweeks fescue
Sixweeks grama
Slender wheatgrass
Smooth brome
Spike dropseed
Spike fescue
Squirreltail
Streambank wheatgrass
Tall native bluegrass

Tangletop
Thickspike wheatgrass
Threeawn
Thurber's fescue
Thurber's needlegrass
Ticklegrass
Timothy
Trisetum
Tufted hairgrass
Western wheatgrass

# _____

Actinea
Alfalfa
American vetch
Annual saltweed
Aplopappus
Arenaria
Arrowgrass
Aster
Astragalus
Balsamroot

Bastard toadflax Bedstraw Beeflower

Bitterweed Bladderpod Bluebell Borage Buckwheat

# Scientific Name

Muhlenbergia torreyi Distichlis stricta Poa secunda Sporobolus cryptandrus Schismus barbatus Festuca ovina Festuca octoflora Bouteloua barbata Agropyron pauciflorum Bromus inermis Sporobolus contractus Hesperochloa kingi Sitanion hystrix Agropyron riparium Poa spp, P. longiligula, P. fendleriana, P. nevadensis, P. ampla Heteropogon contortus Agropyron dasystachyum Aristida spp Festuca thurberi Stipa thurberiana Schedonnardus paniculatus Phleum pratense Trisetum spp Deschampsia caespitosa Agropyron smithi

# Forbs

Actinea odorata Medicago sativa Vicia americana Atriplex spp Aplopappus spp Arenaria spp Triglochin maritima Aster spp Astragalus spp Balsamorhiza sagittata and B. macrophylla Comandra umbellata Galium boreale Cleome serrulata and C. lutea Actinea odorata Lesquerella argentea Mertensia spp Several genera

Eriogonum spp

Bull thistle Bur buttercup Buttercup Butterweed Canada thistle Chenopodium Cinquefoil Columbine Cow cabbage Croton Cryptantha Curlycup gumweed Cymopterus Daisy Dandelion Deathcamas Desert marigold Desert plantain Drummond thistle Euphorbia Evening primrose False yarrow Filerie Flax Foothill larkspur Gaillardia Geranium Gilia Globemallow Goldenrod Gumweed Hairy goldaster Halogeton Hawksbeard Herbaceous sage

Horsemint
Houndstongue
Hymenoxys
Indian paintbrush
Indianwheat
Inkweed
Jacob's ladder
Knotweed
Leptodactylon
Lily-of-the-valley
Little fireweed
Little sunflower
Loco
Lomatium

# Scientific Name

Cirsium lanceolatum Ranunculus testiculatus Ranunculus spp Senecio serra Cirsium arvense Chenopodium album Potentilla spp Aquilegia coerulea Heracleum lanatum Croton spp Cryptantha spp Grindelia squarrosa Cymopterus fendleri Erigeron spp Taraxacum officinale Zigadenus elegans Tagetes erecta Plantago fastigiata Cirsium drummondi Euphorbia spp Oenothera spp Chaenactis douglasi Erodium cicutarium Linum lewisi Delphinium spp Gaillardia aristata Geranium spp Gilia spp Sphaeralcea coccinea Solidago occidentalis Grindelia squarrosa Chrysopsis villosa Halogeton glomerata Crepis acuminata Artemisia gnaphalodes and

A. dracunculoides
Agastache urticifolia
Hackelia floribunda
Actinea odorata
Castilleja spp
Plantago fastigiata
Suaeda intermedia
Polemonium foliosissimum
Polygonum douglasi
Leptodactylon pungens
Smilacina stellata
Epilobium paniculatum
Viguiera multiflora
Astragalus spp
Lomatium spp

#### Scientific Name

# Common Name

Lotus
Lupine
Marsh marigold
Mat aster
Mat astragalus
Mat buckwheat
Mat loco
Meadowrue
Mint

#### Mountain dandelion

Mulesear dock
Mustard
Narrowleaf lotus
Native clover
Onion
Owlclover
Oxytropis
Oyster plant

Peavine Penstemon Peppergrass Phlox

Pickleweed
Poison vetch
Poverty weed
Pussytoes
Ragweed
Rockcress
Russian thistle
Saltweed
Sandbur
Sandlily

Sandwort
Scarlet gilia
Scurfpea
Sedum
Seepweed
Sego lily
Senecio
Shooting star
Sieversia (Old Man's Whiskers)
Skeleton loco

Smotherweed Sneezeweed

Lotus spp Lupinus spp Caltha leptosepala Aster acris nanus Astragalus spp Eriogonum caespitosum Astragalus spp Thalictrum fendleri Mentha spicata and M. arvensis Agoseris glauca and A. taraxifolia Wyethia amplexicaulis Several genera Lotus wrighti Trifolium spp Allium acuminatum and A. spp Orthocarpus tolmiei Oxytropis spp Tragopogon dubius and T. porrifolius Lathyrus spp Penstemon spp Lepidium spp Phlox longifolia and P. stansburyi Allenrolfea occidentalis Astragalus diversifolius Iva axillaris Antennaria dimorpha Ambrosia artemisiaefolia Arabis spp Salsola kali tenuifolia Atriplex spp Cenchrus longispinus Oenethera caespitosa and 0. spp Arenaria spp Gilia aggregata Psoralea spp Sedum spp Suaeda intermedia Calochortus nuttalli Senecio spp Dodecatheon pauciflorum Geum triflorum ciliatum Astragalus convallarius diversifolius Bassia hyssopifolia Helenium hoopesi

Stellaria Stickleaf

Stickseed
Stoneseed
Sunflower
Sweetanise
Sweet vetch
Tall larkspur
Tarweed
Thistle
Timber milkvetch
Toadflax
Townsendii

Trailing daisy Valerian Verbena Vetch Violet Waterleaf

Western coneflower White Dutch clover Whorled milkweed Wild carrot Wormwood

Yarrow

# Scientific Name

Stellaria jamesianna Mentzelia albicaulis and

M. spp
Lappula redowski
Lithospermum ruderale
Helianthus annuus
Osmorhiza occidentalis
Astragalus spp
Delphinium occidentale

Madia glomerata
Cirsium spp

Astragalus convallarius Comandra umbellata Townsendia montana and

T. florifer
Erigeron flagellaris
Valeriana edulis and V. spp
Verbena bracteata

Vicia spp Viola spp

Hydrophyllum capitatum and

H. occidentale
Rudbeckia occidentalis
Trifolium repens
Asclepias verticillata
Lomatium dissectum
Artemisia dracunculoides and

A. spp Achillea lanulosa

# Shrubs and Trees

Alder
Aspen
Big sagebrush
Birchleaf mahogany
Bitterbrush
Blackbrush
Black sagebrush
Buckwheat
Bud sagebrush
Bur sage
Ceanothus

Chokecherry
Cholla
Cliffrose
Concolor fir
Creosotebush
Desert almond

Alnus tenuifolia
Populus tremuloides
Artemisia tridentata
Cercocarpus betuloides
Purshia tridentata
Coleogyne ramosissima
Artemisia nova
Eriogonum spp
Artemisia spinescens
Franseria dumosa
Ceanothus velutinus and
C. spp

C. spp
Prunus virginiana
Opuntia spp
Cowania stansburiana
Abies concolor
Larrea tridentata
Prunus fasciculata

Desert rabbitbrush Dogwood Elderberry Encelia farinosa (Brittlebush) Fourwing saltbush Fremont mahonia Fringed sagebrush Gambel oak Gooseberry Gray molly Greasebush Greasewood Horsebrush Indigo bush Joshua tree Juniper Low sagebrush Lycium (Wolfberry) Manzanita

Mormontea
Mountain laurel
Mountain myrtle
Ninebark
Nuttall's saltbush
Oakbrush
Oregon grape
Phlox
Pinon pine

Maple

Ponderosa pine
Pricklypear
Range ratany
Red elderberry
Rock goldenrod
Rocky Mt. red Juniper
Rose
Rubber rabbitbrush
Sand sagebrush
Serviceberry

Shadscale Silver sagebrush Snakeweed Snowberry

Spiny hopsage Spiny horsebrush Squawapple

# Scientific Name

Chrysothamnus viscidiflorus Cornus stolonifera Sambucus cerulea Encelia farinosa Atriplex canescens Mahonia fremonti Artemisia frigida Quercus gambeli Ribes grossularia and R. spp Kochia vestita Forsellesia spp Sarcobatus vermiculatus Tetradymia canescens and T. spp Amorpha fruticosa Yucca brevifolia Juniperus osteosperma and J. spp Artemisia arbuscula Lycium andersoni and L. spp Arctostaphylos patula Acer grandidentatum and A. glabrum Ephedra nevadensis and E. spp Pachistima myrsinites Pachistima myrsinites Physocarpus malvaceus Atriplex gardneri Quercus gambeli and Q. spp Mahonia repens Phlox hoodi Pinus cembroides edulis and P. c. monophylla Pinus ponderosa Opuntia polyacantha and O. spp Krameria parvifolia Sambucus microbotrys Solidago petradoria Juniperus scopulorum Rosa woodsi and R. spp Chrysothamnus nauseosus Artemisia filifolia Amelanchier alnifolia and A. utahensis Atriplex confertifolia Artemisia cana Gutierrezia sarothrae Symphoricarpos oreophilus and S. spp Grayia spinosa Tetradymia spinosa Peraphyllum ramosissimum

Squawbush
Threetip sagebrush
Willow
Winterfat
Woody aster
Woody phlox
Yellowbrush

Yucca

# Scientific Name

Rhus trilobata
Artemisia tripartita
Salix exigua and s. spp
Eurotia lanata
Aster xylorrhiza
Phlox hoodi
Chrysothamnus lanceolatus
and C. spp
Yucca glauca and Y. spp.



